



# Safety Data Sheet (SDS)

## MISWA CHEMICALS - POLYGARD - SCREENWASH

### Polygard Arctic Screenwash Extreme -18°C

#### Miswa Chemicals Limited

Chemwatch: 9033-28

Version No: 3.1

Safety data sheet according to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Chemwatch Hazard Alert Code: 2

Initial Date: 18/06/2026

Revision Date: 19/06/2026

Print Date: 19/06/2026

S.REACH.GB.EN.E

#### SECTION 1 Identification of the substance / mixture and of the company / undertaking

##### 1.1. Product Identifier

|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| Product name                  | B18925-1: Screenwash -18°C <10% MeOH Blue Citrus |
| Chemical Name                 | Not Applicable                                   |
| Synonyms                      | B18925-1                                         |
| Chemical formula              | Not Applicable                                   |
| Other means of identification | UFI: 9TDP-H15C-100H-2J43                         |

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|                          |                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Relevant identified uses | Automotive Screen Wash (Detergent) Professional Use Only (Not Retail Compliant)<br>Use according to manufacturer's directions. |
| Uses advised against     | No specific uses advised against are identified.                                                                               |

##### 1.3. Details of the manufacturer or importer of the safety data sheet

|                       |                                                                                        |                                                                   |
|-----------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Manufacturer/Supplier | Miswa Chemicals Limited                                                                | Miswa Chemicals Ltd.                                              |
| Address               | 53-54 Caswell Road, Brackmills Industrial Estate, NORTHAMPTON, NN4 7PW, Great Britain. | The Chase, Carmanhall Road, Sandyford, DUBLIN, D18 Y3X2, Ireland. |
| Telephone             | +44 (0) 1604 701111                                                                    | +44 (0) 1604 701111                                               |
| Fax                   | Not Available                                                                          | Not Available                                                     |
| Website               | <a href="http://www.miswa.com">www.miswa.com</a>                                       | <a href="http://www.miswa.com">www.miswa.com</a>                  |
| Email                 | SDSadmin@miswa.com                                                                     | SDSadmin@miswa.com                                                |

##### 1.4. Emergency telephone number

|                                     |                                                     |                                |
|-------------------------------------|-----------------------------------------------------|--------------------------------|
| Association / Organisation          | Miswa Chemicals Limited                             | NHS 111/NHS 24/NHS Direct (UK) |
| Emergency telephone number(s)       | +44 (0) 1604 701111 (Mon-Fri 08:00hrs to 16:30hrs.) | 111                            |
| Other emergency telephone number(s) | Not Available                                       | 0845 4647 (or call a doctor)   |

#### SECTION 2 Hazards identification

##### 2.1. Classification of the substance or mixture

|                                                                                              |                                                                                                                |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Classified according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 <sup>[1]</sup> | H302 - Acute Toxicity (Oral) Category 4, H371 - Specific Target Organ Toxicity - Single Exposure Category 2    |
| Legend:                                                                                      | 1. Classified by Chemwatch; 2. Classification drawn from GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 |

##### 2.2. Label elements

|                     |                                                                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictogram(s) |   |
| Signal word         | Warning                                                                                                                                                                 |

##### Hazard statement(s)

|      |                             |
|------|-----------------------------|
| H302 | Harmful if swallowed.       |
| H371 | May cause damage to organs. |

Supplementary statement(s)  
Not Applicable

Precautionary statement(s) Prevention

|      |                                                                 |
|------|-----------------------------------------------------------------|
| P260 | Do not breathe mist/vapours/spray.                              |
| P270 | Do not eat, drink or smoke when using this product.             |
| P264 | Wash all exposed external body areas thoroughly after handling. |

Precautionary statement(s) Response

|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| P308+P311 | IF exposed or concerned: Call a POISON CENTER/doctor/physician/first aider.         |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell. |
| P330      | Rinse mouth.                                                                        |

Precautionary statement(s) Storage

|      |                  |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

Precautionary statement(s) Disposal

|      |                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------|
| P501 | Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation. |
|------|----------------------------------------------------------------------------------------------------------------------------------|

Material contains methanol, ethylene glycol.

2.3. Other hazards

|          |                                                                                                                          |
|----------|--------------------------------------------------------------------------------------------------------------------------|
| methanol | Listed in the Europe Regulation (EC) No 1907/2006 - Annex XVII (Restrictions may apply)                                  |
| ethanol  | Listed in the Europe Regulation (EC) No 1907/2006 - Annex XVII (Restrictions may apply)                                  |
| ethanol  | The material within this SDS meets the criteria for persistent, bioaccumulative and toxic in accordance with Annex XIII. |

This substance/mixture does not meet the criteria for classification as Persistent, Bioaccumulative, and Toxic (PBT) in accordance with Annex XIII, Commission Delegated Regulation (EU) 2017/2100, and Commission Regulation (EU) 2018/605.

This substance/mixture does not meet the criteria for classification as very Persistent and very Bioaccumulative (vPvB) in accordance with Annex XIII, Commission Delegated Regulation (EU) 2017/2100, and Commission Regulation (EU) 2018/605.

This substance/mixture does not meet the criteria for classification as Persistent, Mobile and Toxic (PMT) in accordance with Commission Delegated Regulation (EU) 2023/707.

This substance/mixture does not meet the criteria for classification as very Persistent and very Mobile (vPvM) in accordance with Commission Delegated Regulation (EU) 2023/707.

The substance/mixture does not contain components considered to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, nor is it included in the list established under REACH Article 59(1), at concentrations equal to or greater than 0.1% (w/w).

Label Elements according to Biocidal Product Regulation (EC) No. 2025/929 (Article 58): Contains 1,2-benzisothiazol-3(2H)-one.  
Label Elements according to Detergent Regulation (EC) No 648/2004: Contains Preservation agents (1,2-benzisothiazol-3(2H)-one; Propan-2-ol).

SECTION 3 Composition / information on ingredients

3.1.Substances

See'Composition on ingredients' in Section 3.2

3.2.Mixtures

| 1. CAS No<br>2.EC No<br>3.Index No<br>4.REACH No                | %[weight] | Name                                       | Classified according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567                                                                                                                                                             | SCL / M-Factor                                                                                                                            | Nanoform Particle Characteristics |
|-----------------------------------------------------------------|-----------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| 1. 67-56-1<br>2.200-659-6<br>3.603-001-00-X<br>4.Not Available  | 1-<10     | methanol *                                 | Flammable Liquids Category 2, Acute Toxicity (Oral) Category 3, Acute Toxicity (Dermal) Category 3, Acute Toxicity (Inhalation) Category 3, Specific Target Organ Toxicity - Single Exposure Category 1; H225, H301, H311, H331, H370 [2] | * STOT SE 1; H370: C ≥10 %   STOT SE 2; H371: 3 % ≤ C <10 %<br><br>Acute M factor: Not Applicable<br><br>Chronic M factor: Not Applicable | Not Available                     |
| 1. 107-21-1<br>2.203-473-3<br>3.603-027-00-1<br>4.Not Available | 1-<10     | ethylene glycol. *                         | Acute Toxicity (Oral) Category 4; H302 [2]                                                                                                                                                                                                | SCL: Not Available<br><br>Acute M factor: Not Applicable<br><br>Chronic M factor: Not Applicable                                          | Not Available                     |
| 1. 64-17-5<br>2.200-578-6<br>3.603-002-00-5<br>4.Not Available  | 1-<10     | ethanol                                    | Flammable Liquids Category 2; H225 [2]                                                                                                                                                                                                    | SCL: Not Available<br><br>Acute M factor: Not Applicable<br><br>Chronic M factor: Not Applicable                                          | Not Available                     |
| Not Available                                                   | Balance   | Ingredients determined not to be hazardous | Not Applicable                                                                                                                                                                                                                            | Not Applicable                                                                                                                            | Not Available                     |

## B18925-1: Screenwash -18°C &lt;10% MeOH Blue Citrus

**Legend:** 1. Classified by Chemwatch; 2. Classification drawn from GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567; 3. Classification drawn from C&L; \* EU IOELVs available; [e] Substance identified as having endocrine disrupting properties

## SECTION 4 First aid measures

## 4.1. Description of first aid measures

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | <p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> <li>▶ Immediately hold eyelids apart and flush the eye continuously with running water.</li> <li>▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>▶ Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.</li> <li>▶ Transport to hospital or doctor without delay.</li> <li>▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul> |
| <b>Skin Contact</b> | <p>If skin or hair contact occurs:</p> <ul style="list-style-type: none"> <li>▶ Immediately flush body and clothes with large amounts of water, using safety shower if available.</li> <li>▶ Quickly remove all contaminated clothing, including footwear.</li> <li>▶ Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre.</li> <li>▶ Transport to hospital, or doctor.</li> </ul>                                                                                                                                                                                                         |
| <b>Inhalation</b>   | <p>If fumes or combustion products are inhaled remove from contaminated area.</p> <ul style="list-style-type: none"> <li>▶ Lay patient down. Keep warm and rested.</li> <li>▶ Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>▶ Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>▶ Transport to hospital, or doctor, without delay.</li> </ul> <p><b>If swallowed do NOT induce vomiting.</b></p>                                    |
| <b>Ingestion</b>    | <ul style="list-style-type: none"> <li>▶ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>▶ Observe the patient carefully.</li> <li>▶ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>▶ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>▶ Seek medical advice.</li> <li>▶ Avoid giving milk or oils.</li> <li>▶ Avoid giving alcohol.</li> </ul>                                                             |

## 4.2 Most important symptoms and effects, both acute and delayed

See Section 11

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5 Firefighting measures

## 5.1. Extinguishing media

The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas.

Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances.

In such an event consider:

- ▶ foam.
- ▶ dry chemical powder.
- ▶ carbon dioxide.

## 5.2. Special hazards arising from the substrate or mixture

|                             |             |
|-----------------------------|-------------|
| <b>Fire Incompatibility</b> | None known. |
|-----------------------------|-------------|

## 5.3. Advice for firefighters

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fire Fighting</b>         | <ul style="list-style-type: none"> <li>▶ Alert Fire Brigade and tell them location and nature of hazard.</li> <li>▶ Wear full body protective clothing with breathing apparatus.</li> <li>▶ Prevent, by any means available, spillage from entering drains or water course.</li> <li>▶ Use water delivered as a fine spray to control fire and cool adjacent area.</li> <li>▶ Avoid spraying water onto liquid pools.</li> <li>▶ <b>DO NOT</b> approach containers suspected to be hot.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Fire/Explosion Hazard</b> | <ul style="list-style-type: none"> <li>▶ The material is not readily combustible under normal conditions.</li> <li>▶ However, it will break down under fire conditions and the organic component may burn.</li> <li>▶ Not considered to be a significant fire risk.</li> <li>▶ Heat may cause expansion or decomposition with violent rupture of containers.</li> <li>▶ Decomposes on heating and may produce toxic fumes of carbon monoxide (CO).</li> <li>▶ May emit acrid smoke.</li> </ul> <p>Combustion products include:</p> <ul style="list-style-type: none"> <li>▶ carbon dioxide (CO<sub>2</sub>)</li> </ul> <p>nitrogen oxides (NO<sub>x</sub>)</p> <p>sulfur oxides (SO<sub>x</sub>)</p> <ul style="list-style-type: none"> <li>▶ other pyrolysis products typical of burning organic material.</li> </ul> <p>May emit poisonous fumes.</p> <p>May emit corrosive fumes.</p> |

## SECTION 6 Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

See section 8

## 6.2. Environmental precautions

Continued...

See section 12

6.3. Methods and material for containment and cleaning up

|              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minor Spills | <ul style="list-style-type: none"><li>Remove all ignition sources.</li><li>Clean up all spills immediately.</li><li>Avoid breathing vapours and contact with skin and eyes.</li><li>Control personal contact with the substance, by using protective equipment.</li><li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li><li>Wipe up.</li></ul>                                             |
| Major Spills | <ul style="list-style-type: none"><li>Clear area of personnel and move upwind.</li><li>Alert Fire Brigade and tell them location and nature of hazard.</li><li>Wear full body protective clothing with breathing apparatus.</li><li>Prevent, by any means available, spillage from entering drains or water course.</li><li>Stop leak if safe to do so.</li><li>Contain spill with sand, earth or vermiculite.</li></ul> |

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safe handling                 | <ul style="list-style-type: none"><li><b>DO NOT allow clothing wet with material to stay in contact with skin</b></li><li>Avoid skin contact, including inhalation.</li><li>Wear protective clothing when risk of exposure occurs.</li><li>Use in a well-ventilated area.</li><li>Prevent concentration in hollows and sumps.</li><li><b>DO NOT enter confined spaces until atmosphere has been checked.</b></li><li><b>DO NOT</b> allow material to come in direct contact with human skin or eyes.</li></ul> |
| Fire and explosion protection | See section 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Other information             | <ul style="list-style-type: none"><li>Store in original containers.</li><li>Keep containers securely sealed.</li><li>No smoking, naked lights or ignition sources.</li><li>Store in a cool, dry, well-ventilated area.</li><li>Store away from incompatible materials and foodstuff containers.</li><li>Protect containers against physical damage and check regularly for leaks.</li></ul>                                                                                                                    |

7.2. Conditions for safe storage, including any incompatibilities

|                                                                                                             |                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable container                                                                                          | <ul style="list-style-type: none"><li>Glass container is suitable for laboratory quantities</li><li>Metal can or drum</li><li>Packaging as recommended by manufacturer.</li><li>Check all containers are clearly labelled and free from leaks.</li></ul> |
| Storage incompatibility                                                                                     | <ul style="list-style-type: none"><li>Avoid oxidising agents, acids, acid chlorides, acid anhydrides, chloroformates.</li></ul>                                                                                                                          |
| Hazard categories in accordance with Regulation (EC) No 2012/18/EU (Seveso III)                             | Not Available                                                                                                                                                                                                                                            |
| Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of | Not Available                                                                                                                                                                                                                                            |

7.3. Specific end use(s)

See section 1.2

SECTION 8 Exposure controls / personal protection

8.1. Control parameters

| Ingredient      | DNELs<br>Exposure Pattern Worker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PNECs<br>Compartment                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| methanol        | Dermal 20 mg/kg bw/day (Systemic, Chronic)<br>Inhalation 130 mg/m³ (Systemic, Chronic)<br>Inhalation 130 mg/m³ (Local, Chronic)<br>Dermal 20 mg/kg bw/day (Systemic, Acute)<br>Inhalation 130 mg/m³ (Systemic, Acute)<br>Inhalation 130 mg/m³ (Local, Acute)<br><br><i>Dermal 4 mg/kgbw/day(Systemic,Chronic)*</i><br><i>Inhalation 26 mg/m³ (Systemic, Chronic) *</i><br><i>Oral 4 mg/kg bw/day (Systemic, Chronic) *</i><br><i>Inhalation 26 mg/m³ (Local, Chronic) *</i><br><i>Dermal 4 mg/kg bw/day (Systemic, Acute) *</i><br><i>Inhalation 26 mg/m³ (Systemic, Acute) *</i><br><i>Oral 4 mg/kg bw/day (Systemic, Acute) *</i><br><i>Inhalation 26 mg/m³ (Local, Acute) *</i> | Not Available                                                                                       |
| ethylene glycol | Dermal 106 mg/kg bw/day (Systemic, Chronic)<br>Inhalation 35 mg/m³ (Local, Chronic)<br><i>Dermal53 mg/kg bw/day (Systemic, Chronic)*</i><br><i>Inhalation 7 mg/m³ (Local, Chronic) *</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Not Available                                                                                       |
| ethanol         | Dermal 343 mg/kg bw/day (Systemic, Chronic)<br>Inhalation 380 mg/m³ (Systemic, Chronic)<br>Inhalation 1900 mg/m³ (Local, Acute)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.96 mg/L (Water (Fresh))<br>2.75 mg/L (Water - Intermittent release)<br>0.79 mg/L (Water (Marine)) |

| Ingredient | DNELs<br>Exposure Pattern Worker                                                                                                                                                   | PNECs<br>Compartment                                                                                                                                                |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | Dermal 206 mg/kg bw/day (Systemic, Chronic) *<br>Inhalation 114 mg/m³ (Systemic, Chronic) *<br>Oral 87 mg/kg bw/day (Systemic, Chronic) *<br>Inhalation 950 mg/m³ (Local, Acute) * | 3.6 mg/kg sediment dw (Sediment (Fresh Water))<br>2.9 mg/kg sediment dw (Sediment (Marine))<br>0.63 mg/kg soil dw (Soil)<br>580 mg/L (STP)<br>380 mg/kg food (Oral) |

\* Values for General Population

Occupational Exposure Limits (OEL)

INGREDIENT DATA

| Source                               | Ingredient      | Material name                | TWA                   | STEL                | Peak          | Notes         |
|--------------------------------------|-----------------|------------------------------|-----------------------|---------------------|---------------|---------------|
| UK Workplace Exposure Limits (WELs). | methanol        | Methanol                     | 200 ppm / 266 mg/m3   | 333 mg/m3 / 250 ppm | Not Available | Sk            |
| UK Workplace Exposure Limits (WELs). | ethylene glycol | Ethane-1,2-diol: vapour      | 20 ppm / 52 mg/m3     | 104 mg/m3 / 40 ppm  | Not Available | Sk            |
| UK Workplace Exposure Limits (WELs). | ethylene glycol | Ethane-1,2-diol: particulate | 10 mg/m3              | Not Available       | Not Available | Sk            |
| UK Workplace Exposure Limits (WELs). | ethanol         | Ethanol                      | 1000 ppm / 1920 mg/m3 | Not Available       | Not Available | Not Available |

8.2. Exposure controls

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.2.1. Appropriate engineering controls                                      | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are:<br>Process controls which involve changing the way a job activity or process is done to reduce the risk.<br>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 8.2.2. Individual protection measures, such as personal protective equipment |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Eye and face protection                                                      | <ul style="list-style-type: none"><li>▶ Safety glasses with side shields</li><li>▶ Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent]</li><li>▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Skin protection                                                              | See Hand protection below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hands/feet protection                                                        | <ul style="list-style-type: none"><li>▶ Elbow length PVC gloves</li></ul> <b>NOTE:</b> <ul style="list-style-type: none"><li>▶ The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.</li><li>▶ Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.</li></ul> The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.<br>The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.<br>Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. <ul style="list-style-type: none"><li>▶ Butyl rubber gloves</li><li>· Nitrile rubber gloves (Note: Nitric acid penetrates nitrile gloves in a few minutes.)</li></ul> |
| Body protection                                                              | See Other protection below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Other protection                                                             | <ul style="list-style-type: none"><li>▶ Overalls.</li><li>▶ P.V.C apron.</li><li>▶ Barrier cream.</li><li>▶ Skin cleansing cream.</li><li>▶ Eye wash unit.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the generated selection:

B18925-1: Screenwash -18°C <10% MeOH Blue Citrus

computer-

| Material          | GPI |
|-------------------|-----|
| NEOPRENE          |     |
| BUTYL             | C   |
| BUTYL/NEOPRENE    | C   |
| NAT+NEOPR+NITRILE | C   |
| NATURAL RUBBER    | C   |
| NATURAL+NEOPRENE  | C   |
|                   |     |

Respiratory protection

Type BAX-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator    |
|------------------------------------|----------------------|----------------------|---------------------------|
| up to 10 x ES                      | BAX-AUS P2           | -                    | BAX-PAPR-AUS / Class 1 P2 |
| up to 50 x ES                      | -                    | BAX-AUS / Class 1 P2 | -                         |
| up to 100 x ES                     | -                    | BAX-2 P2             | BAX-PAPR-2 P2 ^           |

^ - Full-face

## B18925-1: Screenwash -18°C &lt;10% MeOH Blue Citrus

|                  |   |
|------------------|---|
| NEOPRENE/NATURAL | C |
| NITRILE          | C |
| NITRILE+PVC      | C |
| PE               | C |
| PE/EVAL/PE       | C |
| PVA              | C |
| PVC              | C |
| PVDC/PE/PVDC     | C |
| SARANEX-23       | C |
| SARANEX-23 2-PLY | C |
| TEFLON           | C |
| VITON            | C |
| VITON/NEOPRENE   | C |

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO<sub>2</sub>), G = Agricultural chemicals, K = Ammonia(NH<sub>3</sub>), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

- ▶ Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- ▶ The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- ▶ Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE:** As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

## Ansell Glove Selection

|                                           |
|-------------------------------------------|
| <b>Glove</b> — In order of recommendation |
| AlphaTec 02-100                           |
| AlphaTec® Solvex® 37-185                  |
| AlphaTec® 58-008                          |
| TouchNTuff® 83-500                        |
| AlphaTec® 79-700                          |
| AlphaTec® Solvex® 37-675                  |
| MICROFLEX® 63-864                         |
| MICROFLEX® Diamond Grip® MF-300           |
| MICROFLEX® 93-260                         |
| DermaShield™ 73-711                       |

The suggested gloves for use should be confirmed with the glove supplier.

## 8.2.3. Environmental exposure controls

See section 12

## SECTION 9 Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

| Appearance                                   | Transparent, blue, non-viscous liquid with citrus fragrance; mixes with water. |                                         |                    |
|----------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------|--------------------|
| Physical state                               | Liquid                                                                         | Relative density (Water = 1)            | 0.965-0.975 @ 20°C |
| Odour                                        | Citrus                                                                         | Partition coefficient n-octanol / water | Not Available      |
| Odour threshold                              | Not Available                                                                  | Auto-ignition temperature (°C)          | Not Applicable     |
| pH (as supplied)                             | 6.5-8.5 @ 20°C                                                                 | Decomposition temperature (°C)          | Not Available      |
| Melting point / freezing point (°C)          | >=-18                                                                          | Viscosity (cSt)                         | Not Available      |
| Initial boiling point and boiling range (°C) | Not Available                                                                  | Molecular weight (g/mol)                | Not Applicable     |
| Flash point (°C)                             | ~43 (Closed Cup) (Does Not Sustain Combustion)                                 | Taste                                   | Not Available      |
| Evaporation rate                             | Not Available                                                                  | Explosive properties                    | Not Available      |
| Flammability                                 | Not Applicable                                                                 | Oxidising properties                    | Not Available      |
| Upper Explosive Limit (%)                    | Not Applicable                                                                 | Surface Tension (dyn/cm or mN/m)        | Not Available      |
| Lower Explosive Limit (%)                    | Not Applicable                                                                 | Volatile Component (%vol)               | Not Available      |
| Vapour pressure (kPa)                        | Not Available                                                                  | Gas group                               | Not Available      |
| Solubility in water                          | Miscible                                                                       | pH as a solution (1%)                   | Not Available      |
| Vapour density (Air = 1)                     | Not Available                                                                  | VOC g/L                                 | Not Available      |
| Heat of Combustion (kJ/g)                    | Not Available                                                                  | Ignition Distance (cm)                  | Not Available      |
| Flame Height (cm)                            | Not Available                                                                  | Flame Duration (s)                      | Not Available      |

Continued...

|                                                |               |                                                     |               |
|------------------------------------------------|---------------|-----------------------------------------------------|---------------|
| Enclosed Space Ignition Time Equivalent (s/m3) | Not Available | Enclosed Space Ignition Deflagration Density (g/m3) | Not Available |
| Nanoform Solubility                            | Not Available | Nanoform Particle Characteristics                   | Not Available |
| Particle Size                                  | Not Available |                                                     |               |

9.2. Other information  
Not Available

SECTION 10 Stability and reactivity

|                                          |                                                                                                                                                                                            |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10.1.Reactivity                          | See section 7.2                                                                                                                                                                            |
| 10.2. Chemical stability                 | <ul style="list-style-type: none"><li>Unstable in the presence of incompatible materials.</li><li>Product is considered stable.</li><li>Hazardous polymerisation will not occur.</li></ul> |
| 10.3. Possibility of hazardous reactions | See section 7.2                                                                                                                                                                            |
| 10.4. Conditions to avoid                | See section 7.2                                                                                                                                                                            |
| 10.5. Incompatible materials             | See section 7.2                                                                                                                                                                            |
| 10.6. Hazardous decomposition products   | See section 5.3                                                                                                                                                                            |

SECTION 11 Toxicological information

11.1. Information on toxicological effects

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| a) Acute Toxicity                                | There is sufficient evidence to classify this material as acutely toxic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |
| b) Skin Irritation/Corrosion                     | Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |
| c) Serious Eye Damage/Irritation                 | Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |
| d) Respiratory or Skin sensitisation             | Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |
| e) Mutagenicity                                  | Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |
| f) Carcinogenicity                               | Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |
| g) Reproductivity                                | Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |
| h) STOT - Single Exposure                        | There is sufficient evidence to classify this material as toxic to specific organs through single exposure Based                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |
| i) STOT - Repeated Exposure                      | on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                             |
| j) Aspiration Hazard                             | Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |
| Inhaled                                          | Although inhalation is not thought to produce harmful effects (as classified under EC Directives), the material may still produce health damage, especially where pre-existing organ (e.g. liver, kidney) damage is evident.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                             |
| Ingestion                                        | Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |
| Skin Contact                                     | The material is not thought to be a skin irritant (as classified by EC Directives using animal models). Temporary discomfort, however, may result from prolonged dermal exposures.<br>Open cuts, abraded or irritated skin should not be exposed to this material<br>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                             |
| Eye                                              | Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |
| Chronic                                          | Prolonged exposure to ethanol may cause damage to the liver and cause scarring. It may also worsen damage caused by other agents.<br>In animal testing, 1,2-benzisothiazoline-3-one (BIT) did not cause toxicity to the embryo or birth defects. The material does not cause mutations or an increase in cancer. Mild anaemia, reduction in food intake and changes in organ weights did occur in a long-term study. The isothiazolinones are known contact sensitisers. Sensitisation is more likely with the chlorinated species as opposed to the non-chlorinated species.<br>Long-term exposure to methanol vapour, at concentrations exceeding 3000 ppm, may produce cumulative effects characterised by gastrointestinal disturbances (nausea, vomiting), headache, ringing in the ears, insomnia, trembling, unsteady gait, vertigo, conjunctivitis and clouded or double vision. Liver and/or kidney injury may also result.<br>Exposure to ethylene glycol over a period of several weeks may cause throat irritation, mild headache and low backache. These may worsen with increasing concentration of the substance. They may progress to a burning sensation in the throat, a burning cough, and drowsiness.<br>Long term, or repeated exposure of isopropanol may cause inco-ordination and tiredness.<br>Repeated inhalation exposure to isopropanol may produce sleepiness, inco-ordination and liver degeneration. Animal data show developmental effects only at exposure levels that produce toxic effects in adult animals. Isopropanol does not cause genetic damage.<br>There are inconclusive reports of human sensitisation from skin contacts with isopropanol. Chronic alcoholics are more tolerant of the whole-body effects of isopropanol. |                             |
| B18925-1: Screenwash -18°C <10% MeOH Blue Citrus | TOXICITY<br>Not Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IRRITATION<br>Not Available |

|                 |                                                     |                                                            |
|-----------------|-----------------------------------------------------|------------------------------------------------------------|
| methanol        | <b>TOXICITY</b>                                     | <b>IRRITATION</b>                                          |
|                 | Dermal (rabbit) LD50: 15800 mg/kg                   | Eye (Rodent - rabbit): 0.1mL                               |
|                 | Inhalation (Rat) LC50: 83.867 mg/L4h <sup>[2]</sup> | Eye (Rodent - rabbit): 0.1mL - Severe                      |
|                 | Oral (Rat) LD50: 5628 mg/kg <sup>[2]</sup>          | Eye (Rodent - rabbit): 100mg/24H - Moderate                |
|                 |                                                     | Eye (Rodent - rabbit): 40mg - Moderate                     |
|                 |                                                     | Eye: no adverse effect observed (not irritating)           |
|                 |                                                     | Skin (Rodent - rabbit): 20mg/24H - Moderate <sup>[1]</sup> |
| ethylene glycol | <b>TOXICITY</b>                                     | <b>IRRITATION</b>                                          |
|                 | Dermal (mouse) LD50: >3500 mg/kg <sup>[1]</sup>     | Eye (Rodent - rabbit): 0.012ppm/3D                         |
|                 | Oral (Rat) LD50: >2000 mg/kg <sup>[2]</sup>         | Eye (Rodent - rabbit): 100mg/1H - Mild                     |
|                 |                                                     | Eye (Rodent - rabbit): 1440mg/6H - Moderate                |
|                 |                                                     | Eye (Rodent - rabbit): 500mg/24H - Mild                    |
|                 |                                                     | Eye (Rodent - rat): 0.012%/3D                              |
|                 |                                                     | Eye: no adverse effect observed (not irritating)           |
| ethanol         | <b>TOXICITY</b>                                     | <b>IRRITATION</b>                                          |
|                 | Dermal (rabbit) LD50: 17100 mg/kg                   | Eye (Rodent - rabbit): 0.1mL                               |
|                 | Inhalation (Rat) LC50: 64000 ppm4h <sup>[1]</sup>   | Eye (Rodent - rabbit): 100mg/4S - Moderate                 |
|                 | Oral (Rat) LD50: 7060 mg/kg <sup>[2]</sup>          | Eye (Rodent - rabbit): 100uL - Moderate                    |
|                 |                                                     | Eye (Rodent - rabbit): 500mg - Severe                      |
|                 |                                                     | Eye (Rodent - rabbit): 500mg/24H - Mild                    |
|                 |                                                     | Eye (Rodent - rabbit): 50pph/1H - Mild                     |
|                 |                                                     | Eye: adverse effect observed (irritating) <sup>[1]</sup>   |
|                 |                                                     | Eye: no adverse effect observed (not irritating)           |
|                 |                                                     | Skin (Human): 70%/2D <sup>[1]</sup>                        |
|                 |                                                     | Skin (Rodent - rabbit): 20mg/24H - Moderate                |
|                 |                                                     | Skin (Rodent - rabbit): 400mg - Mild                       |
|                 |                                                     | Skin: no adverse effect observed (not irritating)          |
|                 |                                                     | <sup>[1]</sup>                                             |

Legend:

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ETHYLENE GLYCOL    | [Estimated Lethal Dose (human) 100 ml; RTECS quoted by Orica] Substance is reproductive effector in rats (birth defects). Mutagenic to rat cells.<br>For ethylene glycol:<br>Ethylene glycol is quickly and extensively absorbed throughout the gastrointestinal tract. Limited information suggests that it is also absorbed through the airways; absorption through skin is apparently slow. Following absorption, it is distributed throughout the body. In humans, it is initially metabolized by alcohol dehydrogenase to form glycoaldehyde, which is rapidly converted to glycolic acid and glyoxal. These breakdown products are oxidized to glyoxylate, which may be further metabolized to formic acid, oxalic acid, and glycine. Breakdown of both glycine and formic acid can generate carbon dioxide, which is one of the major elimination products of ethylene glycol. |
| METHANOL & ETHANOL | The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|                                   |   |                          |   |
|-----------------------------------|---|--------------------------|---|
| Acute Toxicity                    | ✓ | Carcinogenicity          | ✗ |
| Skin Irritation/Corrosion         | ✗ | Reproductivity           | ✗ |
| Serious Eye Damage/Irritation     | ✗ | STOT - Single Exposure   | ✓ |
| Respiratory or Skin sensitisation | ✗ | STOT - Repeated Exposure | ✗ |
| Mutagenicity                      | ✗ | Aspiration Hazard        | ✗ |

Legend:

✗ – Data either not available or does not fill the criteria for classification  
✓ – Data available to make classification

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

11.2.2. Other information

See Section 11.1

SECTION 12 Ecological information

12.1. Toxicity

|                                                  |               |                    |                               |                  |               |
|--------------------------------------------------|---------------|--------------------|-------------------------------|------------------|---------------|
| B18925-1: Screenwash -18°C <10% MeOH Blue Citrus | Endpoint      | Test Duration (hr) | Species                       | Value            | Source        |
|                                                  | Not Available | Not Available      | Not Available                 | Not Available    | Not Available |
|                                                  | Available     | Available          | Available                     | Available        | Available     |
|                                                  | Available     | Available          | Available                     | Available        | Available     |
|                                                  | Available     | Available          | Available                     | Available        | Available     |
| methanol                                         | Endpoint      | Test Duration (hr) | Species                       | Value            | Source        |
|                                                  | EC50          | 48h                | Crustacea                     | >10000mg/l       | 2             |
|                                                  | EC50          | 96h                | Algae or other aquatic plants | 14.11-20.623mg/l | 4             |
|                                                  | NOEC(ECx)     | 720h               | Fish                          | 0.007mg/L        | 4             |
|                                                  | LC50          | 96h                | Fish                          | 290mg/l          | 4             |
| ethylene glycol                                  | Endpoint      | Test Duration (hr) | Species                       | Value            | Source        |
|                                                  | EC50(ECx)     | Not Available      | Algae or other aquatic plants | 6500-            | 1             |
|                                                  | EC50          | 48h                | Crustacea                     | 7500mg/l         | 2             |
|                                                  | EC50          | 96h                | Algae or other aquatic plants | >100mg/l         | 2             |
|                                                  | LC50          | 96h                | Fish                          | 6500-13000mg/l   | 4             |
| ethanol                                          | Endpoint      | Test Duration (hr) | Species                       | Value            | Source        |
|                                                  | EC50          | 72h                | Algae or other aquatic plants | 8050mg/L         | 4             |
|                                                  | EC50          | 48h                | Crustacea                     | 275mg/l          | 4             |
|                                                  | EC50          | 96h                | Algae or other aquatic plants | 2mg/L            | 4             |
|                                                  | EC50(ECx)     | 96h                | Algae or other aquatic plants | <0.001mg/L       | 4             |
| Legend:                                          | LC50          | 96h                | Fish                          | <0.001mg/L       | 4             |
|                                                  | LC50          | 96h                | Fish                          | 42mg/L           | 4             |
|                                                  | LC50          | 96h                | Fish                          | 42mg/L           | 4             |
|                                                  | LC50          | 96h                | Fish                          | 42mg/L           | 4             |
|                                                  | LC50          | 96h                | Fish                          | 42mg/L           | 4             |

DO NOT discharge into sewer or waterways.

12.2. Persistence and degradability

|                 |                             |                             |
|-----------------|-----------------------------|-----------------------------|
| Ingredient      | Persistence: Water/Soil     | Persistence: Air            |
| methanol        | LOW                         | LOW                         |
| ethylene glycol | LOW (Half-life = 24 days)   | LOW (Half-life = 3.46 days) |
| ethanol         | LOW (Half-life = 2.17 days) | LOW (Half-life = 5.08 days) |
|                 |                             |                             |

12.3. Bioaccumulative potential

|                 |                      |
|-----------------|----------------------|
| Ingredient      | Bioaccumulation      |
| methanol        | LOW (BCF = 10)       |
| ethylene glycol | LOW (BCF = 200)      |
| ethanol         | LOW (LogKOW = -0.31) |
|                 |                      |

12.4. Mobility in soil

|                 |                    |
|-----------------|--------------------|
| Ingredient      | Mobility           |
| methanol        | HIGH (Log KOC = 1) |
| ethylene glycol | HIGH (Log KOC = 1) |
| ethanol         | HIGH (Log KOC = 1) |
|                 |                    |

12.5. Results of PBT and vPvB assessment

|                                                  |                   |                   |                   |                         |                   |                   |                          |
|--------------------------------------------------|-------------------|-------------------|-------------------|-------------------------|-------------------|-------------------|--------------------------|
|                                                  | P                 | B                 | T                 | PBT criteria fulfilled? | vP                | vB                | vPvB criteria fulfilled? |
| B18925-1: Screenwash -18°C <10% MeOH Blue Citrus |                   |                   |                   | No                      |                   |                   | No                       |
| methanol                                         | No data available | No data available | No data available | No                      | No data available | No data available | No                       |
| ethylene glycol                                  | ✗                 | ✗                 | ✓                 | No                      | ✗                 | ✗                 | No                       |
| ethanol                                          | ✓                 | ✓                 | ✓                 | Yes                     | ✗                 | ✗                 | No                       |

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

12.7. Other adverse effects

No evidence of ozone depleting properties were found in the current literature.

SECTION 13 Disposal considerations

## 13.1. Waste treatment methods

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Product / Packaging disposal | <ul style="list-style-type: none"> <li>Containers may still present a chemical hazard/ danger when empty.</li> <li>Return to supplier for reuse/ recycling if possible.</li> </ul> <p>Otherwise:</p> <ul style="list-style-type: none"> <li>If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.</li> <li>Where possible retain label warnings and SDS and observe all notices pertaining to the product.</li> </ul> <p>Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.</p> <p>A Hierarchy of Controls seems to be common - the user should investigate:</p> <ul style="list-style-type: none"> <li>Reduction</li> <li>Reuse</li> <li>Recycling</li> <li>Disposal (if all else fails)</li> </ul> <p>This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be applied in making decisions of this type.</p> <ul style="list-style-type: none"> <li><b>DO NOT allow wash water from cleaning or process equipment to enter drains.</b></li> <li>It may be necessary to collect all wash water for treatment before disposal.</li> <li>In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>Where in doubt contact the responsible authority.</li> <li>Recycle wherever possible or consult manufacturer for recycling options.</li> <li>Consult State Land Waste Authority for disposal.</li> <li>Bury or incinerate residue at an approved site.</li> <li>Recycle containers if possible, or dispose of in an authorised landfill.</li> </ul> |               |
|                              | Waste treatment options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Not Available |
|                              | Sewage disposal options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Not Available |

## SECTION 14 Transport information

## Labels Required

|                  |    |
|------------------|----|
| Marine Pollutant | NO |
|------------------|----|

## Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

|                                    |                                |                |
|------------------------------------|--------------------------------|----------------|
| 14.1. UN number or ID number       | Not Applicable                 |                |
| 14.2. UN proper shipping name      | Not Applicable                 |                |
| 14.3. Transport hazard class(es)   | Class                          | Not Applicable |
|                                    | Subsidiary Hazard              | Not Applicable |
| 14.4. Packing group                | Not Applicable                 |                |
| 14.5. Environmental hazard         | Not Applicable                 |                |
| 14.6. Special precautions for user | Hazard identification (Kemler) | Not Applicable |
|                                    | Classification code            | Not Applicable |
|                                    | Hazard Label                   | Not Applicable |
|                                    | Special provisions             | Not Applicable |
|                                    | Limited quantity               | Not Applicable |
|                                    | Transport Category             | Not Applicable |
|                                    | Tunnel Restriction Code        | Not Applicable |

## Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

|                                    |                                                           |                |
|------------------------------------|-----------------------------------------------------------|----------------|
| 14.1. UN number                    | Not Applicable                                            |                |
| 14.2. UN proper shipping name      | Not Applicable                                            |                |
| 14.3. Transport hazard class(es)   | ICAO/IATA Class                                           | Not Applicable |
|                                    | ICAO / IATA Subsidiary Hazard                             | Not Applicable |
|                                    | ERG Code                                                  | Not Applicable |
| 14.4. Packing group                | Not Applicable                                            |                |
| 14.5. Environmental hazard         | Not Applicable                                            |                |
| 14.6. Special precautions for user | Special provisions                                        | Not Applicable |
|                                    | Cargo Only Packing Instructions                           | Not Applicable |
|                                    | Cargo Only Maximum Qty / Pack                             | Not Applicable |
|                                    | Passenger and Cargo Packing Instructions                  | Not Applicable |
|                                    | Passenger and Cargo Maximum Qty / Pack                    | Not Applicable |
|                                    | Passenger and Cargo Limited Quantity Packing Instructions | Not Applicable |
|                                    | Passenger and Cargo Limited Maximum Qty / Pack            | Not Applicable |

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

|                                    |                        |                |                |
|------------------------------------|------------------------|----------------|----------------|
| 14.1. UN number                    | Not Applicable         |                |                |
| 14.2. UN proper shipping name      | Not Applicable         |                |                |
| 14.3. Transport hazard class(es)   | IMDG Class             | Not Applicable |                |
|                                    | IMDG Subsidiary Hazard | Not Applicable |                |
| 14.4. Packing group                | Not Applicable         |                |                |
| 14.5. Environmental hazard         | Not Applicable         |                |                |
| 14.6. Special precautions for user | EMS                    | Number         | Not Applicable |
|                                    | Special provisions     | Not Applicable |                |
|                                    | Limited Quantities     | Not Applicable |                |

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

|                                    |                     |                |  |
|------------------------------------|---------------------|----------------|--|
| 14.1. UN number                    | Not Applicable      |                |  |
| 14.2. UN proper shipping name      | Not Applicable      |                |  |
| 14.3. Transport hazard class(es)   | Not Applicable      | Not Applicable |  |
| 14.4. Packing group                | Not Applicable      |                |  |
| 14.5. Environmental hazard         | Not Applicable      |                |  |
| 14.6. Special precautions for user | Classification code | Not Applicable |  |
|                                    | Special provisions  | Not Applicable |  |
|                                    | Limited quantity    | Not Applicable |  |
|                                    | Equipment required  | Not Applicable |  |
|                                    | Fire cones number   | Not Applicable |  |

14.7. Maritime transport in bulk according to IMO instruments

14.7.1.Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

| Product name    | Group          |
|-----------------|----------------|
| methanol        | Not Applicable |
| ethylene glycol | Not Applicable |
| ethanol         | Not Applicable |

14.7.3. Transport in bulk in accordance with the IGC Code

| Product name    | Ship Type      |
|-----------------|----------------|
| methanol        | Not Applicable |
| ethylene glycol | Not Applicable |
| ethanol         | Not Applicable |

SECTION 15 Regulatory information

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

methanol is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List  
Great Britain GB mandatory classification and labelling list (GB MCL List)  
UK Workplace Exposure Limits (WELs).

ethylene glycol is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List  
Great Britain GB mandatory classification and labelling list (GB MCL List)  
UK Workplace Exposure Limits (WELs).

ethanol is found on the following regulatory lists

Great Britain GB Biocidal Active Substances  
Great Britain GB mandatory classification and labelling list (GB MCL List)  
UK Workplace Exposure Limits (WELs).

Additional Regulatory Information

Not Applicable

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2020/878; Regulation (EC) No 1272/2008 as updated through ATPs.

Information according to 2012/18/EU (Seveso III):

Continued...

|                 |               |
|-----------------|---------------|
| Seveso Category | Not Available |
|-----------------|---------------|

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

National Inventory Status

| National Inventory                                | Status                                                                                                                                                                                            |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Australia - AIC / Australia Non-Industrial Use    | Yes                                                                                                                                                                                               |
| Canada - DSL                                      |                                                                                                                                                                                                   |
| Canada - NDSL                                     | Yes                                                                                                                                                                                               |
| China - IECSC                                     | No (methanol; ethylene glycol; ethanol)                                                                                                                                                           |
| Europe - EINEC / ELINCS / NLP                     | Yes                                                                                                                                                                                               |
| Japan - ENCS                                      | Yes                                                                                                                                                                                               |
| Korea - KECI                                      | Yes                                                                                                                                                                                               |
| New Zealand - NZIoC                               | Yes                                                                                                                                                                                               |
| Philippines - PICCS                               | Yes                                                                                                                                                                                               |
| USA - TSCA                                        | Yes                                                                                                                                                                                               |
| Taiwan - TCSI                                     | All chemical substances in this product have been designated as TSCA Inventory 'Active' Yes                                                                                                       |
| Mexico - INSQ                                     | Yes                                                                                                                                                                                               |
| Vietnam - NCI                                     | Yes                                                                                                                                                                                               |
| Russia - FBEPH                                    | Yes                                                                                                                                                                                               |
| UAE - Control List (Banned/Restricted Substances) |                                                                                                                                                                                                   |
|                                                   | No (methanol; ethylene glycol; ethanol)                                                                                                                                                           |
| Legend:                                           | Yes = All CAS declared ingredients are on the inventory<br>No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration. |

SECTION 16 Other information

|               |            |
|---------------|------------|
| Revision Date | 19/06/2026 |
| Initial Date  | 18/06/2026 |

Full text Risk and Hazard codes

|      |                                     |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed.                 |
| H311 | Toxic in contact with skin.         |
| H331 | Toxic if inhaled.                   |
| H370 | Causes damage to organs.            |

SDS Version Summary

| Version | Date of Update | Sections Updated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.1     | 19/06/2026     | Toxicological information - Acute Health (eye), Toxicological information - Acute Health (inhaled), Toxicological information - Acute Health (skin), Toxicological information - Acute Health (swallowed), First Aid measures - Advice to Doctor, Physical and chemical properties - Appearance, Toxicological information - Chronic Health, Hazards identification - Classification, Disposal considerations - Disposal, Exposure controls / personal protection - Engineering Control, Ecological Information - Environmental, Firefighting measures - Fire Fighter (extinguishing media), Firefighting measures - Fire Fighter (fire/explosion hazard), Firefighting measures - Fire Fighter (fire fighting), Firefighting measures - Fire Fighter (fire incompatibility), First Aid measures - First Aid (eye), First Aid measures - First Aid (inhaled), First Aid measures - First Aid (skin), First Aid measures - First Aid (swallowed), Handling and storage - Handling Procedure, Composition / information on ingredients - Ingredients, Stability and reactivity - Instability Condition, Exposure controls / personal protection - Personal Protection (other), Exposure controls / personal protection - Personal Protection (Respirator), Exposure controls / personal protection - Personal Protection (eye), Exposure controls / personal protection - Personal Protection (hands/feet), Accidental release measures - Spills (major), Accidental release measures - Spills (minor), Handling and storage - Storage (storage incompatibility), Handling and storage - Storage (storage requirement), Handling and storage - Storage (suitable container), Transport information - Transport, Name |

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:  
EN 166 Personal eye-protection  
EN 340 Protective clothing  
EN 374 Protective gloves against chemicals and micro-organisms  
EN 13832 Footwear protecting against chemicals  
EN 133 Respiratory protective devices

Definitions and abbreviations

- PC—TWA: Permissible Concentration-Time Weighted Average
- PC—STEL: Permissible Concentration-Short Term Exposure Limit

- IARC: International Agency for Research on Cancer
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - STEL: Short Term Exposure Limit
  - TEEL: Temporary Emergency Exposure Limit
  - IDLH: Immediately Dangerous to Life or Health Concentrations
  - ES: Exposure Standard
  - OSF: Odour Safety Factor
  - NOAEL: No Observed Adverse Effect Level
  - LOAEL: Lowest Observed Adverse Effect Level
  - TLV: Threshold Limit Value
  - LOD: Limit Of Detection
  - OTV: Odour Threshold Value
  - BCF: BioConcentration Factors
  - BEI: Biological Exposure Index
  - DNEL: Derived No-Effect Level
  - PNEC: Predicted no-effect concentration
  - MARPOL: International Convention for the Prevention of Pollution from Ships
  - IMSBC: International Maritime Solid Bulk Cargoes Code
  - IGC: International Gas Carrier Code
  - IBC: International Bulk Chemical Code
- 
- AIIC: Australian Inventory of Industrial Chemicals
  - DSL: Domestic Substances List
  - NDSL: Non-Domestic Substances List
  - IECSC: Inventory of Existing Chemical Substance in China
  - EINECS: European INventory of Existing Commercial chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - NLP: No-Longer Polymers
  - ENCS: Existing and New Chemical Substances Inventory
  - KECI: Korea Existing Chemicals Inventory
  - NZIoC: New Zealand Inventory of Chemicals
  - PICCS: Philippine Inventory of Chemicals and Chemical Substances
  - TSCA: Toxic Substances Control Act
  - TCSI: Taiwan Chemical Substance Inventory
  - INSQ: Inventario Nacional de Sustancias Químicas
  - NCI: National Chemical Inventory
  - FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

| Classification according to regulation (EC) No 1272/2008 [CLP] and amendments | Classification Procedure |
|-------------------------------------------------------------------------------|--------------------------|
| Acute Toxicity (Oral) Category 4, H302                                        | On basis of test data    |
| Specific Target Organ Toxicity - Single Exposure Category 2, H371             | Minimum classification   |

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