SAFETY DATA SHEET
SCREENWASH CONCENTRATE

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

1.1. Product identifier
Product name   SCREENWASH CONCENTRATE

Product number SWA300, SWA001, SWA005, SWA199, SWA500, SWS525, BRM005, NSW010, NSW025, NSW050, SWA025

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Window glass cleaner.

1.3. Details of the supplier of the safety data sheet
Supplier TETROSYL LIMITED
Bury
Lancashire
England
BL9 7NY
0161 764 5981
0161 797 5899
info@tetrosyl.com

Manufacturer TETROSYL LIMITED
Bury
Lancashire
England
BL9 7NY
0161 764 5981
0161 797 5899
info@tetrosyl.com

1.4. Emergency telephone number
Emergency telephone +44 (0)161 764 5981

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards Flam. Liq. 3 - H226
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements
Hazard pictograms

1/9
## SCREENWASH CONCENTRATE

### Signal word
Warning

### Hazard statements
H226 Flammable liquid and vapour.

### Precautionary statements
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with national regulations.

### Supplementary precautionary statements
- P240 Ground and bond container and receiving equipment.
- P241 Use explosion-proof electrical equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharges.

### 2.3. Other hazards
Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>ETHANOL</th>
<th>5-&lt;10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 64-17-5</td>
<td>EC number: 200-578-6</td>
</tr>
</tbody>
</table>

**Classification**
Flam. Liq. 2 - H225

<table>
<thead>
<tr>
<th>IPA</th>
<th>1-&lt;2.5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 67-63-0</td>
<td>EC number: 200-661-7</td>
</tr>
</tbody>
</table>

**Classification**
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

<table>
<thead>
<tr>
<th>METHANOL</th>
<th>0.1-&lt;0.3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 67-56-1</td>
<td>EC number: 200-659-6</td>
</tr>
</tbody>
</table>

**Classification**
Flam. Liq. 2 - H225
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 3 - H331
STOT SE 1 - H370
SCREENWASH CONCENTRATE

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<table>
<thead>
<tr>
<th>General information</th>
<th>Get medical attention if any discomfort continues. Remove affected person from source of contamination. Effects may be delayed. Keep affected person under observation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Remove affected person from source of contamination. Get medical attention if any discomfort continues. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Get medical attention if any discomfort continues. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if a large quantity has been ingested. Show this Safety Data Sheet to the medical personnel.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Do not rub eye. Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>General information</th>
<th>The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression. Irritation of nose, throat and airway.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May cause discomfort if swallowed. May cause stomach pain or vomiting. Ingestion of large amounts may cause unconsciousness. May cause nausea, headache, dizziness and intoxication. Burning sensation in mouth.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Prolonged skin contact may cause redness and irritation. Mild dermatitis, allergic skin rash.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Irritation of eyes and mucous membranes.</td>
</tr>
</tbody>
</table>

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

| Notes for the doctor | No specific recommendations. If in doubt, get medical attention promptly. |

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Extinguish with the following media: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media suitable for the surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable extinguishing media</td>
<td>Do not use water jet as an extinguisher, as this will spread the fire.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Specific hazards</th>
<th>Vapours may form explosive mixtures with air. May form explosive mixture with air at very high concentration.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous combustion products</td>
<td>Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.</td>
</tr>
</tbody>
</table>

#### 5.3. Advice for firefighters
SCREENWASH CONCENTRATE

Protective actions during firefighting
No specific firefighting precautions known.

Special protective equipment for firefighters
Leave danger zone immediately. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of spray mist and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions
Environmental precautions
Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Stop leak if possible without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with non-combustible, absorbent material.

6.4. Reference to other sections
Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Avoid the formation of mists. Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Keep away from heat, sparks and open flame. Keep container tightly closed. Keep containers upright. Keep only in the original container. Store away from the following materials: Acids. Oxidising materials.

Storage class
Flammable liquid storage.

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters
Occupational exposure limits
No exposure limits known for ingredient(s).

ETHANOL
SCREENWASH CONCENTRATE

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³
Short-term exposure limit (15-minute): WEL

IPA
Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³
Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

METHANOL
Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³
Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³
Sk
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

8.2. Exposure controls

Protective equipment

Appropriate engineering controls  
Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Provide adequate ventilation.

Eye/face protection  
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection  
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. It is recommended that gloves are made of the following material: Nitrile rubber. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

Other skin and body protection  
Provide eyewash station.

Hygiene measures  
Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection  
No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance  
Clear liquid.

Odour  
Slight alcoholic.

pH  
pH (concentrated solution): 8.50

Melting point  
Not determined.

Initial boiling point and range  
89°C @ 1.013 hPa

Flash point  
42.5°C

Evaporation rate  
Not determined.
SCREENWASH CONCENTRATE

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.98 g/cm³ @ 20°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Miscible with water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>1.0 mm²/s @ 20°C</td>
</tr>
</tbody>
</table>

9.2. Other information
Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
The following materials may react with the product: Acids. Aldehydes. Isocyanates. Strong oxidising agents.

10.2. Chemical stability
Stability
Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
Not determined.

10.4. Conditions to avoid
Conditions to avoid
Avoid contact with strong oxidising agents. Avoid heat, flames and other sources of ignition. Avoid contact with acids. Avoid contact with the following materials: Acids. Oxidising agents. The following materials may react violently with the product: Earth metals such as sodium, potassium and barium.

10.5. Incompatible materials
Materials to avoid

10.6. Hazardous decomposition products
Hazardous decomposition products
Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity - oral
ATE oral (mg/kg) 38,314.18

Acute toxicity - dermal
ATE dermal (mg/kg) 114,942.53

Acute toxicity - inhalation
ATE inhalation (vapours mg/l) 1,149.43
**SCREENWASH CONCENTRATE**

**Inhalation**  
No specific health hazards known.

**Ingestion**  
May cause discomfort if swallowed.

**Skin contact**  
Prolonged and frequent contact may cause redness and irritation.

**Eye contact**  
May cause temporary eye irritation.

### SECTION 12: Ecological information

**Ecotoxicity**  
The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

**Acute aquatic toxicity**

**Acute toxicity - fish**  
$LC_{50}$, 96 hours: 12900-15300 (Ethanol) mg/l, Fish

#### 12.2. Persistence and degradability

**Persistence and degradability**  
There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential**  
No data available on bioaccumulation.

**Partition coefficient**  
Not determined.

#### 12.4. Mobility in soil

**Mobility**  
The product is miscible with water and may spread in water systems.

**Adsorption/desorption coefficient**  
Not available.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**  
This substance is not classified as PBT or vPvB according to current EU criteria.

#### 12.6. Other adverse effects

**Other adverse effects**  
Not available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information**  
Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods**  
Confirm disposal procedures with environmental engineer and local regulations.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)**  
1993

**UN No. (IMDG)**  
1993

**UN No. (ICAO)**  
1993

**UN No. (ADN)**  
1993

#### 14.2. UN proper shipping name
SCREENWASH CONCENTRATE

Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, ETHANOL)
Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, ETHANOL)
Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, ETHANOL)
Proper shipping name (ADN) FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, ETHANOL)

14.3. Transport hazard class(es)

ADR/RID class 3
ADR/RID classification code F1
ADR/RID label 3
IMDG class 3
ICAO class/division 3
ADN class 3

Transport labels

14.4. Packing group

ADR/RID packing group III
IMDG packing group III
ICAO packing group III
ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

EmS F-E, S-E
ADR transport category 3
Emergency Action Code •3Y
Hazard Identification Number (ADR/RID) 30
Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits
SCREENWASH CONCENTRATE

EU legislation

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments
NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by
Health & Safety Department

Revision date
18/01/2018

Revision
16

Supersedes date
04/12/2017

SDS status
Approved.

Hazard statements in full
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs.