SAFETY DATA SHEET
ALL SEASONS SCREENWASH

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product Name: ALL SEASONS SCREENWASH
Product No.: NSW010, NSW025, NSW050, SWA001, SWA005, SWA025, SWA199, SWA500, SFD128, SFD132, SWS525, BRM005

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Glass cleaner

1.3. Details of the supplier of the safety data sheet
Supplier: TETROSYL LIMITED
BEVIS GREEN WORKS
WALMERSLEY
BURY
BL9 6RE
0161 764 5981
0161 797 5899
info@tetrosyl.com

1.4. Emergency telephone number
0161 764 5981

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.2. Label elements

Risk Phrases
R10 Flammable

Safety Phrases
S2 Keep out of the reach of children.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.
S56 Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
### ALL SEASONS SCREENWASH

#### BUTYL GLYCOL
- **CAS-No.:** 111-76-2
- **EC No.:** 203-905-0
- **Classification (EC 1272/2008):**
  - Acute Tox. 4 - H302
  - Acute Tox. 4 - H312
  - Acute Tox. 4 - H332
  - Skin Irrit. 2 - H315
  - Eye Irrit. 2 - H319
  - Xn; R20/21/22
  - Xi; R36/38
- **Classification (67/548/EEC):**
- **EC No.:** 203-905-0
- **CAS-No.:** 111-76-2
- **EC No.:** 203-905-0

#### ETHANOL
- **CAS-No.:** 64-17-5
- **EC No.:** 200-578-6
- **Classification (67/548/EEC):**
  - Flam. Liq. 2 - H225
- **Classification (EC 1272/2008):**
  - Flam. Liq. 2 - H225
- **EC No.:** 200-578-6

#### IPA
- **CAS-No.:** 67-63-0
- **EC No.:** 200-661-7
- **Classification (67/548/EEC):**
  - Flam. Liq. 2 - H225
  - Eye Irrit. 2 - H319
  - STOT Single 3 - H336
- **Classification (EC 1272/2008):**
  - Flam. Liq. 2 - H225
  - Eye Irrit. 2 - H319
  - STOT Single 3 - H336
- **EC No.:** 200-661-7

#### METHANOL
- **CAS-No.:** 67-56-1
- **EC No.:** 200-659-6
- **Classification (67/548/EEC):**
- **Classification (EC 1272/2008):**
  - Flam. Liq. 2 - H225
  - Acute Tox. 3 - H301
  - Acute Tox. 3 - H311
  - Acute Tox. 2 - H330
  - STOT Single 1 - H370
- **EC No.:** 200-659-6

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

**General Information**
Get medical attention if any discomfort continues. Remove affected person from source of contamination. NOTE! Effects may be delayed. Keep affected person under observation.

**Inhalation.**
Remove victim immediately from source of exposure. Get medical attention if any discomfort continues. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration.
ALL SEASONS SCREENWASH

Ingestion
Get medical attention if any discomfort continues. Immediately rinse mouth and drink plenty of water. If person becomes uncomfortable or if ingested in large amounts (100-150 ml for an adult person): Take to hospital along with these instructions.

Skin Contact
Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

Eye Contact
Do not rub eye. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

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

General Information
The severity of the symptoms described will vary dependant of the concentration and the length of exposure. NOTE! Effects may be delayed. Keep affected person under observation.

Inhalation.
In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Irritation of nose, throat and airway.

Ingestion
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.

Skin Contact
Prolonged skin contact may cause redness and irritation. Mild dermatitis, allergic skin rash.

Eye Contact
Irritation of eyes and mucous membranes.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Extinguishing Media
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture
Hazardous Combustion Products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards
May form explosive mixture with air at very high concentration.

Specific Hazards
Vapours may form explosive air mixtures even at room temperature.

5.3. Advice for firefighters
Special Fire Fighting Procedures
No specific fire fighting procedure given.

Protective Measures In Fire
Leave danger zone immediately. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
ALL SEASONS SCREENWASH

Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition. 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

Do not discharge into drains, water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb spillage with suitable absorbent material.

6.4. 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

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Wear full protective clothing for prolonged exposure and/or high concentrations. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap 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 forming spray/aerosol mists. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist.

7.2. Conditions for safe storage, including any incompatibilities


7.3. 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

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTYL GLYCOL</td>
<td>WEL</td>
<td>25 ppm(Sk)</td>
<td>50 ppm(Sk)</td>
<td></td>
</tr>
<tr>
<td>ETHANOL</td>
<td>WEL</td>
<td>1000 ppm</td>
<td>1920 mg/m3</td>
<td></td>
</tr>
<tr>
<td>IPA</td>
<td>WEL</td>
<td>400 ppm</td>
<td>999 mg/m3</td>
<td>500 ppm</td>
</tr>
<tr>
<td>METHANOL</td>
<td>WEL</td>
<td>200 ppm(Sk)</td>
<td>266 mg/m3(Sk)</td>
<td>250 ppm(Sk)</td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective Equipment

Engineering Measures

Observe occupational exposure limits and minimize the risk of inhalation of vapours. Provide adequate ventilation.
Respiratory Equipment
No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand Protection
For prolonged or repeated skin contact use suitable protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Nitrile gloves are recommended. PVC or rubber gloves are recommended.

Eye Protection
Wear approved, tight fitting safety glasses where splashing is probable.

Other 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Coloured liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Blue</td>
</tr>
<tr>
<td>Odour</td>
<td>Odour of alcohol</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling 86</td>
<td></td>
</tr>
</tbody>
</table>

Melting Point (°C)
Scientifically unjustified.

Vapour Density (Air=1)
Scientifically unjustified.

Vapour Pressure
Scientifically unjustified.

Evaporation Rate
Scientifically unjustified.

Decomposition Temperature (°C)
Scientifically unjustified.

Odour Threshold, Lower
Scientifically unjustified.

Odour Threshold, Upper
Scientifically unjustified.

Flash Point (°C)
45

Auto Ignition Temperature (°C)
Scientifically unjustified.

Flammability Limit - Lower(%)  
Scientifically unjustified.

Flammability Limit - Upper(%)  
Scientifically unjustified.

Partition Coefficient  
(N-Octanol/Water)
Scientifically unjustified.

Oxidising Properties
Not available.

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
ALL SEASONS SCREENWASH


10.2. Chemical stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions
Not determined.

10.4. Conditions to avoid
Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition. Avoid contact with acids. Avoid contact with acids and oxidising substances. Will react violently with: Earth metals such as sodium, potassium and barium.

10.5. Incompatible materials
Materials To Avoid

10.6. Hazardous decomposition products
None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Toxic Dose 1 - LD 50 3450 (Ethanol) mg/kg (oral-mouse)
Toxic Dose 2 - LD 50 6300 (Ethanol)
Toxic Conc. - LC 50 20000 (Ethanol) ppm/-- (ihl-rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity
LC 50, 96 Hrs, Fish mg/l 12900-15300 (Ethanol)

12.2. Persistence and degradability
Degradability:
There are no data on the degradability of this product.

12.3. Bioaccumulative potential
Bioaccumulative Potential:
No data available on bioaccumulation.

12.4. Mobility in soil
Adsorption/Desorption Coefficient
Not available.

12.5. Results of PBT and vPvB assessment
Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects
Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

General Information
Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods
ALL SEASONS SCREENWASH

Confirm disposal procedures with environmental engineer and local regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number
UN No. (ADR/RID/ADN) 1993
UN No. (IMDG) 1993
UN No. (ICAO) 1993

14.2 UN Proper shipping name
Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (ETHANOL, METHANOL)

14.3 Transport hazard class(es)
ADR/RID/ADN Class 3
ADR/RID/ADN Class: Flammable liquids.
ADR Label No. 3
IMDG Class 3
ICAO Class/Division 3

14.4. Packing group
ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user
EMS F-E, S-E
Emergency Action Code 3YE
Hazard No. (ADR) 30
Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION
ALL SEASONS SCREENWASH

Revision Comments
NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision Date 18/07/2011
Revision 21
Safety Data Sheet Status Approved.

Risk Phrases In Full
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R11 Highly flammable.
R36/38 Irritating to eyes and skin.
R36 Irritating to eyes.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67 Vapours may cause drowsiness and dizziness.

Hazard Statements In Full
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H36 May cause drowsiness or dizziness.
H370 Causes damage to organs <<Organs>>.