# SAFETY DATA SHEET
## BLUECOL SCREENWASH

## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME**  
BLUECOL SCREENWASH

**PRODUCT NO.**  
BLS010, BLS500, MSB002, BLS199

**INTERNAL ID**  
S-STD

**APPLICATION**  
Antifreeze liquid.

**SUPPLIER**  
TETROSYL LIMITED  
BEVIS GREEN WORKS  
WALMERSLEY  
BURY  
BL9 6RE  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

**EMERGENCY TELEPHONE**  
0161 764 5981

## 2 HAZARDS IDENTIFICATION

Flammable  
CLASSIFICATION (1999/45)  
R10.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content %</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALCOHOL ETHOXYLATE WITH 7 MEO</td>
<td>68131-39-5</td>
<td>&lt;0.5</td>
<td></td>
<td>Xn;R22. Xi;R41. N;R50.</td>
</tr>
<tr>
<td>ETHANEDIOL</td>
<td>203-473-3</td>
<td>107-21-1</td>
<td>5-10%</td>
<td>Xn;R22</td>
</tr>
<tr>
<td>ETHANOL</td>
<td>200-578-6</td>
<td>64-17-5</td>
<td>10-30%</td>
<td>F;R11</td>
</tr>
<tr>
<td>IPA</td>
<td>200-661-7</td>
<td>67-63-0</td>
<td>5-10%</td>
<td>F;R11 Xi;R36 R67</td>
</tr>
<tr>
<td>METHANOL</td>
<td>200-659-6</td>
<td>67-56-1</td>
<td>1.8%</td>
<td>F;R11 T;R23/24/25,R39/23/24/25</td>
</tr>
</tbody>
</table>

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

## 4 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.

**NOTES TO THE PHYSICIAN**  
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!

**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.
BLUECOL 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 (50-100 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.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
Use: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES
No specific fire fighting procedure given.

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.

PROTECTIVE MEASURES IN FIRE
Leave danger zone immediately. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
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.

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.

SPILL CLEAN UP METHODS
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.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
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.

STORAGE PRECAUTIONS

8 EXPOSURE CONTROLS/PERSO
BLUECOL SCREENWASH

<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>ETHANEDIOL</td>
<td>WEL</td>
<td>10 mg/m³</td>
<td>104 mg/m³</td>
<td>Sk</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></td>
</tr>
<tr>
<td>METHANOL</td>
<td>WEL</td>
<td>200 ppm</td>
<td>266 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through skin.

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 hands 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE</td>
<td>Clear liquid.</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Blue.</td>
</tr>
<tr>
<td>ODOUR</td>
<td>Odour of alcohol.</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>BOILING POINT (°C)</td>
<td>80</td>
</tr>
<tr>
<td>RELATIVE DENSITY</td>
<td>0.94</td>
</tr>
<tr>
<td>pH-VALUE, CONC.</td>
<td>7</td>
</tr>
<tr>
<td>SOLUTION</td>
<td></td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>1 cps 20</td>
</tr>
<tr>
<td>FLASH POINT (°C)</td>
<td>24</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions and recommended use.
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.

MATERIALS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS
None under normal conditions.

11 TOXICOLOGICAL INFORMATION

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)

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.

LC 50, 96 Hrs, FISH mg/l 12900-15300 (Ethanol)

BIOACCUMULATION
No data available on bioaccumulation.

DEGRADABILITY
There are no data on the degradability of this product.

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.

DISPOSAL METHODS
Confirm disposal procedures with environmental engineer and local regulations.

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME  FLAMMABLE LIQUID, N.O.S. (ETHANOL, IPS)
ENVIRONMENTALLY  No.
HAZARDOUS  SUBSTANCE/MARINE
POLYPOLLUTANT
UN NO. ROAD  1993
ADR CLASS NO.  3
ADR CLASS  Class 3: Flammable liquids.
ADR PACK GROUP  III
HAZARD No. (ADR)  30
ADR LABEL NO.  3
HAZCHEM CODE  3Y
BLUECOL SCREENWASH

UN NO. SEA  1993
IMDG CLASS  3
IMDG PACK GR.  III
EMS  F-E, S-E
UN NO. AIR  1993
AIR CLASS  3
AIR PACK GR.  III

15 REGULATORY INFORMATION

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.

Detergent Labelling:

< 5% non-ionic surfactants

EU DIRECTIVES


16 OTHER INFORMATION

REVISION COMMENTS

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

REV. NO./REPL. SDS  6
GENERATED

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R10  Flammable
R22  Harmful if swallowed.
R11  Highly flammable
R36  Irritating to eyes.
R41  Risk of serious damage 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.
R50  Very toxic to aquatic organisms.