



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.
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2 HAZARDS IDENTIFICATION

Flammable
CLASSIFICATION (1999/45) R10.

3 COMPOSITION/INFORMATION ON INGREDIENTS

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

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

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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

Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep upright. Keep in original container. Store away from: Acids. Oxidising material.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

BLUECOL SCREENWASH

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANEDIOL	WEL		10 mg/m3		104 mg/m3	Sk
ETHANOL	WEL	1000 ppm	1920 mg/m3			
IPA	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	
METHANOL	WEL	200 ppm	266 mg/m3	250 ppm	333 mg/m3	Sk

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

APPEARANCE	Clear liquid.
COLOUR	Blue.
ODOUR	Odour of alcohol.
SOLUBILITY	Soluble in water.
BOILING POINT (°C)	80
RELATIVE DENSITY	0.94
pH-VALUE, CONC.	7
SOLUTION	
VISCOSITY	1 cps 20
FLASH POINT (°C)	24

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

BLUECOL SCREENWASH

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

Strong acids. Strong oxidising substances. Alkali metals. Metal oxides. Aldehydes. Isocyanates.

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 HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

16 OTHER INFORMATION

REVISION COMMENTS

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

REVISION DATE 19/09/2012

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.