

1 IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : Star brite Rain View - 88708N, 88708GF
 Application : Boat maintenance. Rain repellent for windscreens.

Manufacturer : Star brite Distributing, Inc.
 Address : 4041 S. W. 47 Avenue
 Ft. Lauderdale, FL 33314
 Telephone : +001- 954-587-6280

Distributor : Star brite Europe Inc.
 Address : 30 rue F. Genin
 F69005, Lyon France
 Telephone : +33- 472- 57 01 33
 Fax : +33- 472- 57 04 93

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:



: 001-703-527-3887 - CHEMTREC

2 COMPOSITION / INFORMATION ON CONSTITUENTS

Product description : Preparation.

Information on hazardous substances:

EC-name	Concentration (w/w) (%)	CAS-number	EC-number	Symbols	R-phrases
Propan-2-ol	> 75	67-63-0	200-661-7	F, Xi	11-22
Sulphuric acid	1 – 5	7664-93-9	231-639-5	C	22

Reference is made to chapter 16 for full text of each relevant R phrase. Occupational exposure limit(s), if relevant, are listed in section 8.

3 HAZARD INFORMATION

Classification : Highly flammable and irritant.

Human health hazards : Irritating to eyes. Vapours may cause drowsiness and dizziness.
 Physical/chemical hazards : Highly flammable. Keep away from sources of ignition. No smoking.

Environmental hazards : Not classified as dangerous on the basis of statutory EGDirectives. See also section 12.

Other information : Keep out of reach of children. If swallowed, seek medical advice immediately and show this container or label.

4 FIRST AID MEASURES

Effects and symptoms

Inhalation : May cause headache, drowsiness, dizziness and a feeling of sickness.
 Skin contact : May cause dry skin.
 Eye contact : Irritant. May cause redness and pain.
 Ingestion : May cause a feeling of sickness, vomiting, stomachache and diarrhoea.

First aid measures

Inhalation : Move victim into fresh air. Seek medical advice if victim feels unwell.
 Skin contact : Immediately take off contaminated clothing. Wash off skin with plenty of water before product dries up. Consult a doctor if irritation persists.
 Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor.
 Ingestion : Induce vomiting and give 1 glass of water. Never give anything by mouth to an unconscious person. Consult a doctor.

5 FIRE FIGHTING MEASURES

Extinguishing media
 Suitable : Alcohol resistant foam, water fog or dry chemical.
 Not suitable : Water jet
 Special exposure hazards : None known
 Hazardous thermal (de)composition products : Carbon monoxide may be evolved if incomplete combustion occurs.
 Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with nonslip soles. Keep away from sources of ignition. See also section 8.
 Environmental precautions : Avoid release of product into sewers, surface water and/or groundwater.
 Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

7 HANDLING AND STORAGE

Handling : Handle in accordance with good occupational hygiene and safety practices in well ventilated areas. Keep away from sources of ignition and direct sunlight. No smoking. Avoid contact with eyes and skin. Do not inhale vapours.
 Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C) separated from oxidizing substances. Protect from sunlight.
 Recommended packaging : Keep only in the original container.
 Use : Use only as directed.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.
 Hygienic measures : Do not eat, drink or smoke during use.
 Occupational exposure limits : Occupational exposure limits have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name		EC	UK		
Propan-2-ol	TWA 8 hour	-	999		
	STEL 15 min	-	1250		
Sulphuric acid	TWA 8 hour	1	-		
	STEL 15 min	-	-		

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

- Body protection : Use of specific protective industrial clothing is not required under normal conditions of use. See also under additional information.
- Respiratory protection : Take care of sufficient ventilation. Wear a gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140, in case of large scale exposure.
- Hand protection : Under normal conditions of use specific gloves are not required. See also under additional information.
- Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.

Additional information:

- Protective clothing : In case of large scale exposure wear neoprene protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345
- Safety gloves : Wear neoprene gloves in case of frequent or prolonged use and in case of large scale exposure. Indication of permeation breakthrough time: 6 hours (sulphuric acid), non

exposure. Indication of permeation breakthrough time:6 hours (sulphuric acid), non permeable (propan-2-ol)

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance	:	Liquid	
Colour	:	Colourless	
Odour	:	Isopropyl alcohol	
pH	:	< 2	
Solubility in water	:	Soluble	
in fat	:	Not known	
Partition coefficient (n-octanol/water)	:	Not known	
Flash point	:	12°C	(PMcc)
Auto ignition temperature	:	Not applicable	
Boiling point/ boiling range	:	86°C	
Melting point/ melting range	:	< -40°C	
Explosive properties	:	Not known	
Oxidizing properties	:	Not applicable	
Decomposition temperature	:	Not applicable	
Viscosity (25°C)	:	Not known	
Vapour pressure (20°C)	:	Not known	
Relative density (20°C)	:	± 0.8 kg/l	
Evaporation rate	:	1.7	(n-butyl acetate = 1)

10	STABILITY AND REACTIVITY
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Stability	:	Stable under normal conditions.
Conditions to avoid	:	See section 7.
Materials to avoid	:	Keep away from oxidizing substances.
Hazardous decomposition products	:	None known.

11	TOXICOLOGICAL INFORMATION
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No toxicological research has been carried out on this product.

Inhalation	:	Vapours may cause drowsiness and dizziness. Irritation of respiratory airways possible when vapour concentrations exceed threshold limits. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
Skin contact	:	Prolonged contact may dry out and degrease the skin.
Eye contact	:	Irritating to eyes.
Ingestion	:	Ingestion may cause vomiting, nausea and diarrhoea.

Toxicological information:

Chemical name	Toxicity (mg/kg or mg/m3)	Irritation	Sensitization
Propane-2-ol	LD ₅₀ : 5045 (rat, oral) LD ₅₀ : 12800 (dermal) LC ₅₀ : 4160 (inh.)	Slight irritating (skin) Irritating (eyes)	Not sensitizing
Sulphuric acid	LD ₅₀ : 2140 (rat, oral) LC ₅₀ : 510 (rat, inh.)	Corrosive	Not sensitizing

12	ECOLOGICAL INFORMATION
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No ecotoxicological research has been carried out on this product.

Ecotoxicity	:	No ecotoxicological information available.
Mobility	:	Spilled product can penetrate into the ground and get into the ground water and surface water.

Persistence – degradability : Data on the biodegradation of this product are not available.
 Bio accumulative potential : No specific information known.

13 DISPOSAL CONSIDERATIONS

Product residues : Do not dispose empty pack with regular household waste. Treat product residues and non empty pack as hazardous waste.
 European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.
 Comment : Attention is drawn to the possible existence of mandatory and regulatory communal, national or local requirements governing disposal of waste.

14 TRANSPORT

UN number : UN 1219
 Transport name : ISOPROPANOL (ISOPROPYL ALCOHOL)

Land (road / railway)
 ADR/RID class : 3
 Classification code : F1
 Packaging group : II



Sea
 IMDG class : 3
 Packaging group : II
 EmS (fire / spill) : F-E/S -D
 Marine pollutant : No
 Air
 IATA class : 3



Information in this section pertains to shipments of the material in limited quantity (up to 1 liter) containers. Shipments in containers greater than 1 liter require flammable sticker. This information does not apply to IATA.

15 REGULATORY INFORMATION

Community regulations : EC classification (67/548/EEC - 99/45/EC) and other regulations

Hazard symbols : Xi, irritant F, highly flammable



R - and S -phrases : R11 Highly flammable.
 R22 Harmful if swallowed.
 S2 Keep out of reach of children
 S16 Keep away from sources of ignition-No smoking.
 S25 Avoid contact with eyes.
 S46 If swallowed, seek medical advice immediately and show this container or label.

Other information : According to directive 99/45/E C, the packaging of this product shall carry a tactile warning of danger .

16 OTHER INFORMATION

The information in this safety data sheet is compiled in compliance with Directive 2001/58/EC dated 27 July 2001 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product.



MATERIAL SAFETY DATA SHEET

This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of R-phrases mentioned in section 2:

R11 Highly flammable.
R22 Harmful if swallowed.

History

Date of first issue : 06-11-2005