

# SAFETY DATA SHEET

## BLUE STAR R/MIXED A/FREEZE 1LTR

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

**PRODUCT NAME:** BLUE STAR R/MIXED A/FREEZE 1LTR  
**PART No.:** BSR001  
**SUPPLIER:** TETROSYL LIMITED  
BEVIS GREEN WORKS  
WALMERSLEY  
BURY  
Tel: 0161 764 5981  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
<b>CAS No.:</b>	<b>EINECS Nr.:</b>	<b>CLASSIFICATION</b>	
SODIUM NITRATE			0-1 %
7631-99-4	231-554-3	O R-8	
ETHANEDIOL			30-60 %
107-21-1	203-473-3	Xn R-22	

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

### 3. HAZARDS IDENTIFICATION

Harmful if swallowed.

### 4. FIRST AID MEASURES

**INHALATION:** Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen.

**INGESTION:** DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

**SKIN:** Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

**EYES:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** This material is not flammable. Use extinguishing media appropriate for surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL CLEANUP METHODS:** Collect in containers and seal securely.

## 7. HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment.

**STORAGE PRECAUTIONS:** Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
ETHANEDIOL	107-21-1	OES	52 mg/m3(Sk)	104 mg/m3(Sk)
SODIUM NITRATE	7631-99-4		No std.	No std.

**INGREDIENT COMMENTS:** OES = Occupational Exposure Standard.

**PROTECTIVE EQUIPMENT:**



**VENTILATION:** Provide adequate general and local exhaust ventilation.

**RESPIRATORS:** No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

**PROTECTIVE GLOVES:** Use protective gloves.

**EYE PROTECTION:** Wear approved safety goggles.

**OTHER PROTECTION:** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**HYGIENIC WORK PRACTICES:** DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Liquid.

**COLOUR:** Blue.

**DENSITY/SPECIFIC GRAVITY (g/ml):** 1.072 - 1.085      **Temperature (°C):**

## 10. STABILITY AND REACTIVITY

**STABILITY:** Normally stable.

**CONDITIONS TO AVOID:** Avoid contact with acids and oxidising substances.

**HAZARDOUS DECOMP. PRODUCTS:** Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

**INHALATION:** Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**INGESTION:** Harmful if swallowed.

**SKIN:** Irritating to skin.

**EYES:** Irritating to eyes.

## 12. ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** Dangerous for the environment if discharged into watercourses.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS:** Dispose of in accordance with Local Authority requirements.

## 14. TRANSPORT INFORMATION

**UN No. ROAD:** N/A

**UK ROAD TRANSPORT CLASS:** N/A

UK ROAD PACK GR.: N/A  
ADR CLASS No.: N/A  
IMDG CLASS: N/A  
IMDG PACK GR.: N/A  
AIR PACK GR.: N/A

## 15. REGULATORY INFORMATION

### LABEL FOR SUPPLY:



**RISK PHRASES:** R-22 Harmful if swallowed.

**SAFETY PHRASES:** S-13 Keep away from food, drink and animal feeding stuffs.  
S-2 Keep out of the reach of children.  
S-46 If swallowed, seek medical advice immediately and show this container or label.  
S-56 Dispose of this material and its container to hazardous or special waste collection point.

**STATUTORY INSTRUMENTS:** Chemicals (Hazard Information and Packaging) Regulations.

**APPROVED CODE OF PRACTICE:** Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES:** Occupational Exposure Limits EH40. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION

**ISSUED BY:** PJC

**REVISION DATE:** 2002-08-01

**REV. No./REPL. SDS GENERATED:** 1021837

**R-PHRASES (Full Text):** R-22 Harmful if swallowed. R-8 Contact with combustible material may cause fire.

**DISCLAIMER:** The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.