

# SAFETY DATA SHEET

## LOCK DEICER SINGLE 50ML

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

**PRODUCT NAME:** LOCK DEICER SINGLE 50ML  
**PART No.:** LDS050  
**SUPPLIER:** TETROSYL LIMITED  
BEVIS GREEN WORKS  
WALMERSLEY  
BURY  
Tel: 0161 764 5981  
Fax: 0161 797 5899

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
<b>CAS No.:</b> PROPAN-2-OL 67-63-0	<b>EINECS Nr.:</b> 200-661-7	<b>CLASSIFICATION</b> Xi ,F R-11, 36, 67	60-100 %
BUTANE 106-97-8	203-448-7	Fx R-12	10-30 %
ETHANEDIOL 107-21-1	203-473-3	Xn R-22	10-30 %

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

### 3. HAZARDS IDENTIFICATION

Extremely flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

### 4. FIRST AID MEASURES

**GENERAL:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

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

**INGESTION:** Not relevant.

**SKIN:** Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**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 if any discomfort continues.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Aerosol cans may explode in fires.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL CLEANUP METHODS:** Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

## 7. HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

**STORAGE PRECAUTIONS:** Aerosol cans: Must not be exposed for direct sunlight or temperatures above 50°C.

## 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)
PROPAN-2-OL	67-63-0	OES	400 ppm	500 ppm
BUTANE	106-97-8	OES	600 ppm	750 ppm

**INGREDIENT COMMENTS:** OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

**PROTECTIVE EQUIPMENT:**



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

**RESPIRATORS:** No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

<b>PROTECTIVE GLOVES:</b>	Use protective gloves.
<b>EYE PROTECTION:</b>	Use eye protection.
<b>OTHER PROTECTION:</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
<b>HYGIENIC WORK PRACTICES:</b>	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. No eating or drinking while working with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Aerosol. Liquid.		
<b>COLOUR:</b>	Clear. Beige.		
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	0.849 - 0.859	<b>Temperature (°C):</b>	

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Normally stable.
<b>CONDITIONS TO AVOID:</b>	Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).

## 11. TOXICOLOGICAL INFORMATION

<b>HEALTH WARNINGS:</b>	INHALATION. May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged inhalation of high concentrations may damage respiratory system. SKIN CONTACT. Product has a defatting effect on skin. May cause skin irritation/eczema. EYE CONTACT. Irritating to eyes.
<b>OTHER HEALTH EFFECTS:</b>	Carcinogen Category 3.
<b>ROUTE OF ENTRY:</b>	Inhalation.

## 12. ECOLOGICAL INFORMATION

<b>ECOLOGICAL INFORMATION:</b>	Dangerous for the environment if discharged into watercourses.
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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS:** Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.

## 14. TRANSPORT INFORMATION

**LABEL FOR CONVEYANCE:**



<b>UN No. ROAD:</b>	1950
<b>UK ROAD TRANSPORT CLASS:</b>	2.1
<b>UK ROAD PACK GR.:</b>	N/A
<b>ADR CLASS No.:</b>	2.1
<b>PROPER SHIPPING NAME I:</b>	AEROSOLS
<b>IMDG CLASS:</b>	2.1
<b>IMDG PACK GR.:</b>	N/A
<b>ICAO CLASS:</b>	2.1
<b>AIR PACK GR.:</b>	N/A

## 15. REGULATORY INFORMATION

**LABEL FOR SUPPLY:**



**RISK PHRASES:** R-12 Extremely flammable.  
R-36 Irritating to eyes.  
R-67 Vapours may cause drowsiness and dizziness.

**SAFETY PHRASES:** S-16 Keep away from sources of ignition - No Smoking.  
S-2 Keep out of the reach of children.  
S-25 Avoid contact with eyes.

S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S-46 If swallowed, seek medical advice immediately and show this container or label.  
S-51 Use only in well-ventilated areas.  
S-56 Dispose of this material and its container to hazardous or special waste collection point.  
S-9 Keep container in a well-ventilated place.

**UK REGULATORY REFERENCES:** Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972.

**ENVIRONMENTAL LISTING:** Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

**EU DIRECTIVES:** System of specific information relating to Dangerous Preparations. 91\155.

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

**GUIDANCE NOTES:** Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION

**INFORMATION SOURCES:** Dangerous Properties of Industrial Materials Report, N.Sax et.al.

**ISSUED BY:** PJC

**REVISION DATE:** 2001-11-29

**REV. No./REPL. SDS GENERATED:** 1

**SDS No.:** 200175

**R-PHRASES (Full Text):** R-22 Harmful if swallowed. R-11 Highly flammable. R-36 Irritating to eyes. R-67 Vapours may cause drowsiness and dizziness. R-12 Extremely flammable.

**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.