

# SAFETY DATA SHEET

## TETROSEAL 1LTR

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

**PRODUCT NAME:** TETROSEAL 1LTR  
**PART No.:** TSL100  
**SUPPLIER:** TETROSYL LIMITED  
 BEVIS GREEN WORKS  
 WALMERSLEY  
 BURY  
 Tel: 0161 764 5981  
 Fax: 0161 797 5899

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.: ISOBUTANOL 78-83-1	201-148-0	Xi R-10, 37/38, 41, 67	1-5 %
SILICATE FIBRES		Xi R-38	1-5 %
IRON ALUMINIUM SILICATE 65997-17-3		Xi R-36/37/38	10-30 %
PETROLEUM DISTILLATES 64742-82-1	265-185-4	Xn ,N R-10, 51/53, 65	10-30 %

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

### 3. HAZARDS IDENTIFICATION

Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 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. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

**INGESTION:** DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Provide rest, warmth and fresh

air. Get medical attention immediately!

**SKIN:** Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

**EYES:** Remove victim immediately from source of exposure. 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:** Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

**SPECIAL FIRE FIGHTING PROCEDURES:** Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL CLEANUP METHODS:** Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

## 7. HANDLING AND STORAGE

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

**STORAGE PRECAUTIONS:** Flammable/combustible - Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

**STORAGE CRITERIA:** Flammable liquid storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
ISOBUTANOL	78-83-1	OES	50 ppm	75 ppm

**PROTECTIVE EQUIPMENT:**



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

<b>RESPIRATORS:</b>	Respiratory protection must be used if air concentration exceeds acceptable level.
<b>PROTECTIVE GLOVES:</b>	Use protective gloves.
<b>EYE PROTECTION:</b>	Use approved safety goggles or face shield.
<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. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that 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

<b>APPEARANCE:</b>	Viscous. Liquid.		
<b>COLOUR:</b>	Black.		
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	0.964	<b>Temperature (°C):</b>	
<b>VISCOSITY (interval):</b>	200 - 300 cps	<b>Temperature (°C):</b>	20

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Normally stable.
<b>CONDITIONS TO AVOID:</b>	Avoid heat. Avoid contact with oxidisers or reducing agents.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Fire creates: Toxic gases/vapours/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. SKIN CONTACT. Irritating to skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. EYE CONTACT. Irritating to eyes. INGESTION. May cause stomach pain or vomiting.
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## 12. ECOLOGICAL INFORMATION

<b>ECOLOGICAL INFORMATION:</b>	Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.
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## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

**UN No. ROAD:** 1263  
**UK ROAD TRANSPORT CLASS:** 3  
**UK ROAD PACK GR.:** III  
**ADR CLASS No.:** 3  
**ADR CLASS:** Class 3: Flammable liquids.  
**IMDG CLASS:** 3  
**IMDG PACK GR.:** III  
**ICAO CLASS:** 3  
**AIR PACK GR.:** III

## 15. REGULATORY INFORMATION

**LABEL FOR SUPPLY:**



**RISK PHRASES:** R-10 Flammable.  
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES:** S-2 Keep out of the reach of children.  
S-29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
S-46 If swallowed, seek medical advice immediately and show this container or label.  
S-51 Use only in well-ventilated areas.  
S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

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

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

**STATUTORY INSTRUMENTS:** Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

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**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).

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## 16. OTHER INFORMATION

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

**ISSUED BY:** PJC

**REVISION DATE:** 2002-11-01

**R-PHRASES (Full Text):** R-10 Flammable. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-37/38 Irritating to respiratory system and skin. R-41 Risk of serious damage to eyes. R-67 Vapours may cause drowsiness and dizziness. R-38 Irritating to skin. R-36/37/38 Irritating to eyes, respiratory system and skin.

**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.