

SAFETY DATA SHEET

TET BRAKE 1 AUTO 5LTR

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

PRODUCT NAME: TET BRAKE 1 AUTO 5LTR

PART No.: BOA005

SUPPLIER: TETROSYL LIMITED
BEVIS GREEN WORKS
WALMERSLEY
BURY
Tel: 0161 764 5981
Fax: 0161 797 5899

2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
PETROLEUM DISTILLATES			60-100 %
64741-84-0	265-086-6	Xn ,F ,N R-11, 51/53, 65	
PROPAN-2-OL			10-30 %
67-63-0	200-661-7	Xi ,F R-11, 36, 67	
n-HEXANE			0-1 %
110-54-3	203-777-6	Xn ,F ,N R-11, 38, 48/20, 51/53, 62, 65, 67 Rep3	

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

3. HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

GENERAL: NOTE! Keep affected person away from heat, sparks and flames! 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. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately! If vomiting occurs, keep head low so that stomach content doesn't get

into the lungs.

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: 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. Contact physician if irritation persists.

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
PROPAN-2-OL	67-63-0	OES	400 ppm	500 ppm
n-HEXANE	110-54-3	OES	20 ppm	No std.

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	Respiratory protection must be used if air concentration exceeds acceptable level.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use approved safety goggles or face shield.
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. 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

APPEARANCE:	Clear. Liquid.		
COLOUR:	Colourless.		
DENSITY/SPECIFIC GRAVITY (g/ml):	0.705 - 0.740	Temperature (°C):	20
FLASH POINT (°C):	18	Method:	

10. STABILITY AND REACTIVITY

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Avoid heat. Avoid contact with oxidisers or reducing agents.
HAZARDOUS DECOMP. PRODUCTS:	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS, GENERAL:	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
INHALATION:	Solvent vapours are hazardous and may cause nausea, sickness and headaches. Vapour may irritate respiratory system or lungs.
INGESTION:	Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs. Narcotic effect.
SKIN:	Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.
EYES:	Irritating to eyes. Vapour or spray may cause temporary (reversible) eye damage.
ROUTE OF ENTRY:	Inhalation. Ingestion. Skin and/or eye contact.
TARGET ORGANS:	Respiratory system, lungs.
MEDICAL SYMPTOMS:	High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



UN No. ROAD:	1993
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	II
ADR CLASS No.:	3
PROPER SHIPPING NAME I:	FLAMMABLE LIQUID, NOS
IMDG CLASS:	3
IMDG PACK GR.:	II
MARINE POLLUTANT:	No.
ICAO CLASS:	3
AIR PACK GR.:	II

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:

**RISK PHRASES:**

R-11 Highly flammable.
 R-36 Irritating to eyes.
 R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 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-29 Do not empty into drains.
 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.
 S-9 Keep container in a well-ventilated place.

STATUTORY INSTRUMENTS:

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

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:

2001-12-03

REV. No./REPL. SDS GENERATED:

1

SDS No.:

200091

R-PHRASES (Full Text):

R-11 Highly 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-36 Irritating to eyes. R-67 Vapours may cause drowsiness and dizziness. R-38 Irritating to skin. R-48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. R-62 Possible risk of impaired fertility.

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.