



TEC-2000 LTD.

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EC - SAFETY DATA SHEET

TEC-2000 DIESEL INJECTOR CLEANER

1. IDENTIFICATION OF PREPARATION AND COMPANY

CHEMICAL NAME: TEC-2000 DIESEL INJECTOR CLEANER

SUPPLIERS: TEC-2000 LTD., P.O. Box 285, Hitchin, Herts., SG4 9WQ, U.K.

EMERGENCY TELEPHONES: U.K. 01462-433 660 - 07831 105386 (24hrs)

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	EINECS No.	CONTENTS	HEALTH (class)	RISK. (R No.)
Mixture of Aliphatic Hydrocarbons	n/a	n/a	> 25%	Xn , N	10-51/53-65-66-67
Xylene	1330-20-7	215-535-7	2.5-10 %	Xn	10, 20 / 21, 38
Toluene	108-88-3	203-625-9	2.5-10 %	Xn , F	11, 20
1,2,4-Trimethylbenzene	95-63-6	202-436-9	≤ 2.5	Xn	20/22
Barium Salts, with the exception of Barium Sulphate, salts of 1-azo-2-Hydroxynaphthalenyl Aryl Sulphonic Acid, and of salts specified			2.5-10%	Xn , N	10-20-36 / 36/37/38-51/53



Registered office:
The Barn, Warren Court,
114 High Street, Stevenage Old Town,
Hertfordshire, SG1 3DW.
Registered in England No. 460 8392

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3. HAZARDS IDENTIFICATION

Flammable

Toxic to aquatic organisms, may cause long-term adverse effects to aquatic organisms

May cause lung damage if swallowed

4. FIRST AID MEASURES

GENERAL:	Immediately remove any clothing soiled by the product.
EYES:	Promptly wash eyes with lots of water while lifting the eye lids. Get medical attention if discomfort continues.
SKIN:	Remove affected person from source of contamination. Wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists.
INHALATION:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and rest. Get prompt medical attention.
INGESTION:	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS ! Get medical attention immediately ! DO NOT induce vomiting. Get medical attention immediately. DO NOT induce vomiting; instantly call for medical help.
INFORMATION FOR DOCTOR:	The following symptoms may occur: headaches, dizziness, sickness, unconsciousness.
DANGER:	Of Pulmonary oedema, pneumonia, depression of CNS.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Foam, carbon dioxide (CO ₂), dry chemicals, sand, dolomite. DO NOT use water if avoidable.
SPECIAL FIRE FIGHTING PROCEDURES:	Keeps runoff water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water until well after the fire is out. Move containers from fire area if it can be done without risk. Fight advanced or assive fires from safe distance or protected location
PROTECTIVE EQUIPMENT:	Wear self-contained breathing apparatus. Wear full protective suit.
HAZARDOUS DECOMPOSITION PRODUCTS:	Formation of toxic gases is possible during heating or in case of fire.

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6. ACCIDENTAL RELEASE MEASURES

PERSON RELATED:	Put on breathing apparatus.
ENVIRONMENTAL PROTECTION:	Prevent material from reaching sewage system, holes and cellars. Inform respective authorities in case product reaches water or sewage system.
SPILL CLEANUP METHODS:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:	Keep containers tightly sealed. Ensure good ventilation / exhaust at the workplace. Prevent formation of aerosols. Keep ignition sources away - Do Not smoke. Protect against electrostatic charges.
STORAGE PRECAUTIONS:	Store in cool location. Store away from oxidizing agents. Protect from heat and direct sunlight.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No.	STD. (8 hrs)	LT EXP	ST EXP (10 min)
N-BUTANOL	71-36-3	OES	50ppm (Sk)	154mg/m ³

ADDITIONAL INFORMATION: The lists that were valid during the compilation were used as basis.

RESPIRATORS: Use breathing protection in case of insufficient ventilation. Filter A.

PROTECTIVE GLOVES: Solvent resistant gloves. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The exact break through time of penetration of glove material has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION: Tightly sealed safety glasses.

BODY PROTECTION: Solvent resistant protective clothing.

GENERAL PROTECTION: Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Do not inhale gases / fumes / aerosols. Avoid contact with eyes and skin. Do not eat or drink while working.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Fluid.
COLOUR:	Brown.
SMELL:	Recognizable.
FLASH POINT (°C) :	28°
MELTING POINT:	not determined.
BOILING POINT:	110 - 400°C.
IGNITION TEMPERATURE:	200°C.
DANGER OF EXPLOSION:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
LOWER VALUE OF EXPLOSION:	0.6 Vol %.
UPPER VALUE OF EXPLOSION:	7.0 Vol %.
STEAM PRESSURE:	<29 hPa at 20°C.
DENSITY:	0.869 g/cm ³ at 20°C.
SOLUBILITY / MISCIBILITY WITH WATER:	Not miscible or difficult to mix.

10. STABILITY AND REACTIVITY

STABILITY:	No decomposition if used according to specifications.
DANGEROUS REACTIONS:	Forms explosive gas mixture with air. Reacts with strong oxidizing agents.
DANGEROUS PRODUCTS OF COMPOSITION:	Carbon monoxide and carbon dioxide. Inflammable gases / vapours.

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11. TOXICOLOGICAL INFORMATION

HEALTH WARNINGS:	Possible irritation of skin. Possible irritation of eyes.
SENSITIZATION:	No sensitizing effect known.
ADDITIONAL INFORMATION:	The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: HARMFUL
CLASSIFICATION SYSTEM:	The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

12. ECOLOGICAL INFORMATION

ECOTOXICAL EFFECTS:	Toxic to aquatic organisms.
GENERAL NOTES:	Also poisonous for fish and plankton in water bodies. Do not allow product to reach ground water, water bodies or sewage system.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.
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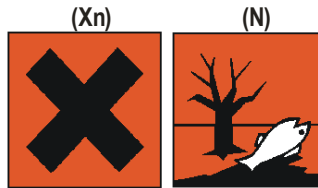
14. TRANSPORT INFORMATION.

ROAD: UN No: ADR CLASS No:	NO NOTIFICATIONS REQUIRED UNDER CURRENT LEGISLATION
LABEL FOR CONVEYANCE:	NOT REQUIRED
AIR: UN AIR: AIR TRANSPORT CLASS No: AIR PACKAGING GROUP:	NO NOTIFICATIONS REQUIRED UNDER CURRENT LEGISLATION
SEA: UN SEA: SEA TRANSPORT CLASS No: SEA PACKAGING GROUP:	NO NOTIFICATIONS REQUIRED UNDER CURRENT LEGISLATION
RAIL: TRANSPORT CLASS No:	LEGISLATION

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15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:

- R-10** Flammable.
R-20 Harmful by inhalation and in contact with skin.
R-65 Harmful: May cause lung damage if swallowed.
R-51/53 Toxic to Aquatic Organisms / May cause long term. Adverse effects in the aquatic environment.

SAFETY PHRASES:

- S- 2** Keep out of reach of children.
S-23 Do not breathe gas/fumes/vapours/spray.
S-25 Avoid contact with eyes.
S-29 Do not empty into drains.
S-43 In case of fire, use Foam/Dry Powder/CO₂. **NEVER USE WATER.**
S-62 If swallowed, **do not induce vomiting**; seek medical advice immediately and show the container or label.

UK REGULATORY REFERENCES:

Classification, Packaging and Labeling Regulations 1984, Highly Flammable Liquid Regulations 1972, Health and Safety at Work Act 1974, Control of Substances Hazardous to Health Regulations 1988

16. OTHER INFORMATION

INFORMATION SOURCES:

Dangerous Properties of Industrial Chemicals, 6. edition. N. Sax, 1984
OSHA Air Contaminants - Permissible Exposure Limits (Title 29)
Hazardous Materials, Emergency Response Guidebook, DOT-P 5800.3, 1984.
NFPA49. Hazardous Chemical Data, 1975.
NIOSH/OSHA Pocket Guide to Chemical Hazards, 1978.
Threshold Limit Values and Biological Exposure Indices for 1985-1986.
Chemical Safety Data guide. Bureau of National Affairs, 1985

ISSUED BY:

M. L. F. KNOWLES.

REVISION DATE (dd-mm-yyyy):

05-12-2005.

REVISION No./REPLACES SDS ISSUED:

7/02-01-2005

TOTAL PAGES = 8

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