



TRIBOLUBES PVT LTD
Manufacturer of Grease & Speciality oils

MATERIAL SAFETY DATA SHEET

1. Product and company identification

Product name:	TL TURBINE OIL EP (ISO 32, 46, 57, 68)
Product use:	Turbine Oil
Manufacturer:	Survey No.13/7A, 14/3, 15/6,Takai Adoshi Rd, Behind Parsol Chemicals Ltd, Village Honad, Post – Saigoan,Tal- Khalapur, Dist-Raigad, Maharashtra 410203
Telephone:	022-26520790
Emergency phone numbers in India:	022-26520790

2. Hazard Identification

Main hazards	: Not classified as a dangerous preparation according to 1999/45/EC
Adverse human health Effect	: None under normal conditions
Environmental hazards	: No specific risk for the environment.

3. Composition / Information on ingredients

This product is not considered to be hazardous but contains hazards components.

<u>Substance name</u>	<u>Value(s)</u>
Alkylated diphenylamines	:< 0.15 %
N-Pheny-1-Naphthylamines	: 0.05-0.15 %
(4-nonlphenoxy) acetic acid	:< 0.05 %
Isomeric mixture of methylamines	:< 0.05 %
Acylsarkosinate	:< 0.02 %
Sterically hindered phenol	:< 0.15 %
Amine Phosphate	:< 0.05 %

4. First – Aid Measures

- Inhalation : Assure fresh air breathing. Obtain medical attention if Breathing difficulty persists .
- Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if irritation develops.
- Eye contact : Rinse immediately with plenty of water. Seek medical attention if Irritation develops.
- Ingestion : DO NOT INDUCE VOMITING. Seek medical attention Immediately.
- Note to physician : If there is any suspicion of aspiration into the lungs either directly or as a result of vomiting, obtain medical advice.

5. Fire- Fighting Measures

- Suitable extinguishers : Water fog. Carbon dioxide. Dry chemical. Foam. Sand.
- Extinguishers not to be used : Do not use a heavy water stream.
- Surrounding fires : Use water spray or fog for cooling exposed containers.
- Special exposure hazards : None under normal conditions.
- Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures : None Identified

6. Accidental Release Measures

- Personal precautions : Keep public away from danger area. Wear recommended Equipment. Equip cleanup crew with proper protection.
- Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if Liquid enters sewers or public waters .
- After spillage and/or leakage : Clean up any spills as soon as possible, using an absorbent material to collect it. Collect spills and put it into appropriated container. Use suitable disposal containers. Recover the cleaning water for disposal. Spill area may be slippery.
- On soil : May require excavation of contaminated soil.

7. Handling and Storage

- General : No naked lights. No smoking. Keep away from sources of ignition.
- Precautions in handling and storage: Handle in accordance with good industrial hygiene and safety Procedures.
- Storage : Keep container closed when not in use. Keep only in the original Container in a cool, well ventilated place. Keep at temperature not exceeding 45 °C.
- Handling : Wash hands and other exposed areas with mild soap and water

Before eat, drink or smoke and when leaving work.

8. Exposure Controls / Personal Protection

Personal protection

- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation
- Hand protection : use neoprene or rubber gloves
- Skin protection : No special clothing/skin protection equipment is recommended under normal conditions of use ..
- Eye Protection : Safety glasses.
- Industrial hygiene : Provide Local Exhaust or general room ventilation to minimize dust & or Vapour Concentrations, When using do not eat , drink or smoke

Occupational Exposure Limits.: According to TWA (TLV) ACGIH : 3 mg/m³ for oil mist.

9. Physical and Chemical Properties

- Physical state : Liquid
- Colour : Yellow
- Order : Mild
- Pour Point : -15 to -21
- Viscosity at 40°C [mm²/s] : 32 to 100
- Specific gravity : 0.85 to 0.88
- Flash point [°C] : 210 to 224

10. Stability and Reactivity

- Physico-chemical stability : Stable.
- Conditions to avoid : Overheating.
- Materials to avoid : Oxidizing agents, Strong acid , bases.
- Hazardous decomposition products : Carbon dioxide. Carbon monoxide. Hydrogen Sulphide product
- Hazardous reactions : None under normal conditions.
- Hazardous Polymerization : Will not occur.

11. Toxicological Information

- Acute toxicity : Not expected to be toxic
- Inhalation : Practically Non Toxic
- Dermal : Not expected to be a primary skin irritant. Prolonged or repeated exposure may lead to dermatitis.
- Ingestion : Practically Non Toxic
- Eye Irritation (rabbit) : Non Irritating
- Chronic toxicity : Not expected to be mutagenic hazard
- Sensitization : No Sensitization effect known

12. Ecological Information

Ecological effects information	: No Specific risk for the environment
Bioaccumulative potential	: Not determined.
Mobility soil	: Ground water contamination may be caused through spillages

13. Disposal Information

Disposal : Dispose in a safe manner in accordance with local /national regulations.

14. Transport Information

Not regulated

15. Regulatory Information

Symbol	: None
R Phrase(s)	: None
S Phrase(s)	: None.
Additional phrases (s)	: Contain-N-Phent-1-Naphthyamine, may produce an Allergic reaction

16. Other Information

R- Phrases listed in chapter 2

Further information

: Rs.22: Harmful if Swallowed
 : Rs.34 Causes burns.
 : Rs.36/38 Irritating to eyes and skin
 : Rs.38 Irritating to skin
 : Rs.43 May Cause sensitization by skin contact
 : Rs.50/53 Very toxic to aquatic Organisms, May cause Long term adverse effect in the aquatic environment
 : Rs.51/53 toxic to aquatic Organisms, May cause Long term adverse effect in the aquatic environment
 : For specific or detailed technical data for this product, please contact your local sales representative.

Note

: To the best of our knowledge and belief, the information and recommendations provided in this MSDS are correct. We make no warranty whatsoever, expressed or implied of merchantability or fitness for the particular purpose, regarding the

accuracy of such data or the results to be obtained from the use thereof. We do not assume any liability for consequences of the uses of this information since it may be applied under conditions beyond our control or knowledge. The information is furnished on the condition that the recipients shall make their own decision as to safety and suitability of the material for their purposes. We will not be responsible for damages of any nature resulting from the use or reliance upon the information and recommendations. If you have purchased this product for supply to a third party, it is your duty to pass on to that third party the information given in this Data Sheet. If the third party is not an employer it is his duty to pass the information given in the Data Sheet to the employer of whoever uses or handles this product. It is an employer's duty to advise and instruct his employees handling this product (and others whomay be affected) , of any hazards described in the Data Sheet and of any precautions which should be taken to ensure safe handling of the product.

