

Takrun 7000

1. PRODUCT AND COMPANY IDENTIFICATION

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| Product name | Takrun 7000 |
| Product Description | Mineral Base Stock and Additives |
| Product use | Diesel Engine |
| Manufacturer & Supplier | TABCHEM |
| Address | TABCHEM CHEMICAL INDUSTRIES COMPANY, NO. 97, 5TH FLOOR, SOUTH IRANSHAHR STREET, BELOW SOMAYEH STREET, TEHRAN, IRAN |
| Phone Numbers | +98 21 8884 0868 |
| Fax Number | +98 21 8882 8776 |
| Email | info@tabchem.ir |
| Website | https://tabchem.ir |

2. COMPOSITION/ INFORMATION ON INGREDIENTS

| Component | Identifier | Weight Percent Range |
|--|------------|----------------------|
| Highly Refined Base Oil (IP 346 DMSO extract <3%) | Mixture | >88 |
| Proprietary additive | Mixture | <10 |
| Zinc Dialkyl Dithiophosphate | 68649-42-3 | < 1.2 |

3. HAZARDS IDENTIFICATION

Emergency and Hazards Overview

Appearance: Brown, Liquid

Odor : Petroleum Odor

CAUTION: Contains petroleum lubricant. Prolonged or repeated skin contact may cause skin irritation. Spills may create a slipping hazard.

Health Hazards: Not expected to be a health hazard when used under normal conditions.

Inhalation: This product has a low vapor pressure and is not expected to present a inhalation hazard at ambient conditions.



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| Ingestion: | Do not ingest. This product is relatively non-toxic by ingestion |
| Skin Contact: | Avoid skin contact. This product may cause slight skin irritation upon direct contact. |
| Eye Contact: | May cause slight irritation to eyes. |
| Other Information: | Used oil may contain harmful impurities. |

4. FIRST AID MEASURES

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| General information: | Not expected to be a health hazard when used under normal conditions. |
| Eye contact: | Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If product is hot, treat for thermal burns and seek immediate medical attention. |
| Skin contact: | Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. If product is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately. |
| Inhalation: | If inhaled, remove to fresh air. Get medical attention if symptoms occur. |
| Ingestion: | Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice. |
| Advice to physicians: | Treatment should in general be symptomatic and directed to be relieving any effects. In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended. |



5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel

Flash point: Typical > 220 °C

Products of combustion Carbon oxides (CO, CO₂)

Unusual fire/explosion hazards Non-explosive in the presence of the following products or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts.

Fire-fighting media and instructions

In case of fire, use foam, dry chemical or Carbon dioxide extinguisher or spray. **Do not use water jet.**

Protective clothing (fire)

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases. Heating may cause a fire or explosion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

No action shall be taken involving any personal risk or without suitable training. Prevent unnecessary and unprotected personnel entry of. Do not touch or walk through spilled material. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental precautions:

Avoid dispersal of spilled product and run off and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).



Methods for cleaning up

Large spill:

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent product e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent product may pose the same hazard as the spilled product.

Small spill:

Stop leak if there is no risk. Move containers from spill area. Absorb with an inert dry product and place in an appropriate waste disposal container. Scrub the area with detergent and water.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin and clothing. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area. Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ventilation:

Mechanical ventilation is recommended.

Respiratory Protection:

If mist present, chemical cartridge respirator is recommended.

Gloves:

Resistant gloves (Viton, Nitrile, and Neoprene) are handling this Material.

Eye Protection:

Chemical safety goggles are recommended.

Other Protection:

In confined spaces or where the risk of skin exposure is higher, resistant clothing or apron should be worn



9. PHYSICAL AND CHEMICAL PROPERTIES

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|------------------------|---|
| Physical state | Liquid |
| Color | Brown |
| Odor | Mild |
| Pour point (°C) | -9 |
| Density | 912 kg/m ³ at 15°C |
| Solubility | Not soluble in water |
| Viscosity | Kinematic: 19.5 mm ² /s (cSt) at 100°C |
| Viscosity Index | 92 |
| pH | NA |

10. STABILITY AND REACTIVITY

Stability and reactivity Stable under recommended storage conditions.

Conditions to avoid Avoid excessive heat.

Incompatibility with various substances

Reactive or incompatible with the following products:
Combustibles and strong oxidisers.

Hazardous decomposition products

Hazardous decomposition products are not expected during normal storage.

Hazardous polymerization Will not occur.

11. TOXICOLOGY INFORMATION

Acute toxicity Local effects Product Information

Skin contact Not classified. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.

Eye contact Not classified. The eye irritation hazard is based on evaluation of data for similar materials or product components.

Inhalation Not classified. Ingestion may cause gastrointestinal

irritation, nausea, vomiting and diarrhea.

Acute toxicity Component Information

Sensitization Not classified as a sensitizer Acute Toxicity

Specific Effects

Carcinogenicity This product is not classified carcinogenic.

Mutagenicity This product is not classified as mutagenic.

Reproductive toxicity This product does not contain any known or suspected reproductive hazards.

Repeated Dose Toxicity

Sub chronic toxicity No information is available.

Target Organ Effects (STOT)

Target Organ Effects (STOT) No information available.

Other information

Other adverse effects Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

12. ECOLOGICAL INFORMATION

This material is not expected to be harmful to aquatic organisms

13. DISPOSAL CONSIDERATIONS

Avoid contact of spilled material and runoff with soil and surface waterways. Block off drains and ditches

Waste Disposal Methods:

Waste material may be landfilled or incinerated at an approved facility.



Consultate your local or regional authorities

14. TRANSPORT INFORMATION

Not dangerous for transport under ADR/RID, IMO and IATA/ICAO regulations

Land transport (ADR/RID):

This product is not classified as dangerous for this mode of transport.

Inland waterways transport (ADN):

This product is not classified as dangerous for this mode of transport.

Sea transport (IMDG Code):

This product is not classified as dangerous for this mode of transport.

Air transport (IATA/ ICAO):

This product is not classified as dangerous for this mode of transport.

Shipping Description (IMO/IMDG):

Petroleum lubricating Oil not regulated as a hazardous material for transport.

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

OSHA/HCS status: This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

- SARA SECTIONS 301- 304:

This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances List.



- SARA SECTION 311/312 (Hazard):
- | | |
|-----------------------------------|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |
- SARA SECTION 313:
- This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical
- The Environmental protection Act (Environmental laws and
 - The Regulation of control of hazardous materials and flammable and explosive - (29, 30, 36 up 57 articles)
 - The regulation of Water pollution prevention– article 2
 - The regulation of hazardous material Road transportation – article 1

16. OTHER INFORMATION

Label requirements:

May Cause Eye Irritation.

May Cause skin irritation

May Cause respiratory tract irritation

Abbreviations and Acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN = European Agreement concerning the international carriage of dangerous goods by inland waterways

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

ASTM = American Society for Testing and Materials

CAS = Chemical Abstracts Service

