PETROVÖLL MOTOR OIL TREATMENT

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

Identification of substance / preparation

PRODUCT	:	PETROVÖLL MOTOR OIL TREATMENT
MSDS NO.	:	8228B
CHEM NAME	:	MIXTURE (SEE SECTION 2)
CHEM FAMILY	:	PETROLEUM HYDROCARBON
HEALTH HAZARD	:	NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS.

Application

For used in Engines.
For specific application advice see appropriate Technical Data Sheet.

HS CODE : 27101912

Company Identification

GULF CONTINENTAL OIL AND GREASE FACTORY
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2. COMPOSITION/INFORMATION ON INGREDIENTS

The product contain special performance additives and base oils which are considered to be severely refined and not considered to be carcinogenic. All of the base oils in the product have been demonstrated to contain less than 3% (w/w) dimethyl sulfoxide extract by the IP 346 test.

3 HAZARDS IDENTIFICATION

This material is not considered to be hazardous, but should be handled in accordance with good industrial hygiene and safety practices.

SECTION 4: FIRST AID MEASURES

4.1. **Description of first aid measures**

General information

Get medical attention if any discomfort continues. No expected to give rise to an acute hazard under normal conditions of use.

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Contact physician if larger quantity has been consumed. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes and seek medical attention. Get medical attention if any discomfort continues. Remove affected person from source of contamination. Wash clothing before reuse.

Eye contact

Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment should be applied. In case of excessive inhalation of the product vapor may lead to lung inflammation (chemical pneumonitis). Dermatitis may result from prolonged or repeated exposure.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Do not use water as an extinguisher. Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

This product is not explosive.

Specific hazards

In case of fire, toxic and corrosive gases may be formed. These gases: Carbon dioxide, carbon monoxide, Sulphur oxides, phosphorus oxides, metal oxides

5.3. Advice for firefighters

Special Fire Fighting Procedures

Use water SPRAY only to cool containers! Do not put water on leaked material. Cool containers exposed to flames with water until well after the fire is out.

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

In case of spills, beware of slippery floors and surfaces. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. For personal protection, see section 8. Do not smoke, use open fire or other sources of ignition. Wear protective gloves and (in case of splashes) goggles/face shield too.

6.2. **Environmental precautions**

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to local appropriate regulatory body. Empty container contains product residue which may exhibit hazards of product.

6.3. **Methods and material for containment and cleaning up**

Large Spillages: Stop leak if possible, without risk. DO NOT touch spilled material! Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Do not contaminate water sources or sewer. Inform Authorities if large amounts are involved. Small Spillages: Stop leak if possible, without risk. Dam and absorb spillage with sand, sawdust or other absorbent. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of via an authorized person/licensed waste disposal contractor in accordance with local regulations.

6.4. **Reference to other sections**

SECTION 7: HANDLING AND STORAGE

7.1. **Precautions for safe handling**

Provide good ventilation. Container must be kept tightly closed. Protect against direct sunlight. Avoid spilling, skin and eye contact. Avoid eating, drinking and smoking when using the product.

7.2. **Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Store in closed original container at temperatures between 0°C and 50°C.

7.3. **Specific end use(s)**

Usage Description

For containers or container linings, use mild steel or high-density polyethylene (HDPE). For containers or container linings, avoid PVC. Polyethylene containers should not be exposed to high temperatures because of possible risk distortion.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. **Control parameters**

8.2. **Exposure controls**

Protective equipment

Process conditions

Provide eyewash station.

Engineering measures

Observe occupational exposure limits and minimize the risk of inhalation of vapours. Provide adequate ventilation.

Respiratory equipment

In case of inadequate ventilation use suitable respirator. Use high efficiency particulate respirator with appropriate filter.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Nitrile gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection

If risk of splashing, wear safety goggles or face shield.

Other Protection

Wear steel toe-cap shoes.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands after contact. Promptly remove non-impervious clothing that becomes contaminated. Isolate contaminated clothing and wash before reuse. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. When using do not eat, drink or smoke.

Skin protection

Wear an apron.

Environmental Exposure Controls

STEL: 10mg/m³ 15 minutes. Form: Oil mist, mineral
TWA: 5mg/m³ 8 hours. Form: Oil mist, mineral
Short-Term Exposure Limit (STEL). The National Institute for Occupational Safety and Health (NIOSH, 1992).
Time-Weighted Average (TWA). Occupational Safety and Health Administration (OSHA, 29 CFR 1910.1000, Table Z-1).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1.**Information on basic physical and chemical properties**

Appearance	Clear Liquid
Colour	Light yellow.
Odour	Mild, oily.
Solubility	Not soluble in water.
Bulk Density	0.874 kg/l
Vapour density (air=1)	>1
pH-Value, Conc. Solution	N/A
Viscosity	330.0 mm²/s @ 100°C
Flash point (°C)	220 °C (Open cup).
Comments	Values are typical. These values may be variable within the product specification.

9.2.**Other information**

SECTION 10: STABILITY AND REACTIVITY

10.1.**Reactivity**

10.2.**Chemical stability**

Stable under normal temperature conditions. Mixing with any other material.

10.3.**Possibility of hazardous reactions**

10.4.**Conditions to avoid**

Avoid frost. Avoid contact with strong oxidisers. Avoid exposure to high temperatures or direct sunlight. Keep away from moisture.

10.5.**Incompatible materials**

Materials to Avoid

Strong oxidizing substances. Strong acids.

10.6.**Hazardous decomposition products**

None under normal conditions. When heated, toxic and corrosive vapours/gases may be formed. Fire or high temperatures create: Carbon dioxide, carbon monoxide, Sulphur oxides, phosphorus oxides, metal oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No data recorded.

Other Health Effects

No data available to indicate product or any components are carcinogenic, mutagenic, genotoxic, and chronic health hazards.

General information

Information given is based on a knowledge of the components and the toxicology of similar products.

Inhalation

Not expected to cause irritation. In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Ingestion

May cause discomfort if swallowed. The main symptoms are gastrointestinal ailments, including upset stomach.

Skin contact

Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking.

Eye contact

Not expected to cause eye irritation. Vapors formed from heating may cause eye irritation.

Health Warnings

The product contain special performance additives and mineral base oils which are considered to be severely refined and not considered to be carcinogenic. All of the base oils in the product have been demonstrated to contain less than 3% (w/w) dimethyl sulfoxide extract by the IP 346 test. USED ENGINE OILS are more dangerous than new engine oils. Used engine oils may contain hazardous components which have the potential to cause skin cancer.

Route of entry

Inhalation, ingestion, skin, eye contact.

Target Organs

Skin, eyes, respiratory system, lungs, gastro-intestinal tract.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1.**Toxicity**

Acute Fish Toxicity

Not considered toxic to fish.

12.2.**Persistence and degradability**

Degradability
The product is not readily biodegradable.

12.3.**Bioaccumulative potential**

Bioaccumulative potential
The product is not bioaccumulating.

12.4.**Mobility in soil**

Mobility:
The product is insoluble in water and will spread on the water surface. It may absorbed by soil and will not be mobile.

12.5.**Results of PBT and vPvB assessment**

12.6.**Other adverse effects**

SECTION 13: DISPOSAL CONSIDERATIONS

General information
Waste to be treated as controlled waste. Only disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1.**UN number**

14.2.**UN proper shipping name**

14.3.**Transport hazard class(es)**

Transport Labels

No transport warning sign required.

14.4.**Packing group**

14.5.**Environmental hazards**

14.6.**Special precautions for user**

14.7.**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

SECTION 15: REGULATORY INFORMATION

15.1.**Safety, health and environmental regulations/legislation specific for the substance or mixture**

15.2.**Chemical Safety Assessment**

SECTION 16: OTHER INFORMATION

Information Sources

Regulation (EC) No:1907/2006