

Material Safety Data Sheet



1. Identification of the product and the company

Trade name : Petrogulf Marine CS Grease EP-2
Use : Marine and Industrial Lubricating Grease
Company identification : Petrogulf Oil Mfg LLC
P.O.Box-30399, Ajman, UAE
Tel: 06-7433099
Fax: 06-7433094

Emergency phone nr : Tel : 06-7433099
Company : As above

2. Information on ingredients

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

Composition (preparation) : Mixture of highly refined mineral base oils (PCA content less than 3% -IP 346), Calcium Sulfonate Complex soap thickener and additives.

Substance name	Value (s)	CAS nr	EINECS nr	EC index	CERTIFICATE	
Base oil : distillates solvent-refined heavy paraffinic	:	40 - 50 %	64741-88-4	265-090-8	649-454-00-7	-----
2-butoxyethanol	:	1 - 5 %	111-76-2	203-905-0	603-014-00-0	Xn; R20/21/22 Xi; R36/38
Calcium Sulfonate Complex Thickener	:	5 - 10 %	MIXTURE	-----	-----	-----
Polymerised 1,2-dihydro-2,2,4-trimethylquinoline	:	0.5 - 1 %	26780-96-1	500-051-3	-----	N; R51-53
Zinc dialkyl dithiophosphate	:	0.5 - 1.5 %	68649-42-3	272-028-3	-----	Xi; R38-41 N; R51-53

Other information : See headings 16 for full text of relevant R-phrases

3. Hazards identification

Main hazards : Not a dangerous preparation according to 1999/45/EC.
Adverse human health effects : None under normal conditions.
Environmental hazards : No specific risk for the environment.
Symptoms relating to use : Repeated or prolonged skin contact may cause irritation.
Inhalation : Inhalation of vapours may cause respiratory irritation.
Skin contact : Prolonged or repeated contact may cause skin to become dry or cracked.
Eye contact : Slight eye irritant upon direct contact.
Ingestion : Ingestion may cause gastrointestinal irritation and diarrhea.

4. First aid measures

Inhalation: Assure fresh air breathing. If you feel unwell, seek medical advice.

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with mild soap and water. Never use kerosene or gasoline for cleaning the skin. 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: Treat symptomatically.

General information: 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

Flammable class : Not classified by OSHA as flammable / NFPA RATINGS: H/0, F/1, R/0.

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 : Combustible. Under fire conditions, hazardous fumes will be present, which may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. See also hazardous reactions § 10. Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental release measures

Personal precautions: Avoid all unnecessary exposure. Remove ignition sources. Avoid release to the environment. Refer to special instructions and/or Safety Data Sheets. Equip cleanup crew with proper protection. Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Dispose in a safe manner in accordance with local/national regulations. After spillage and/ or leakage: Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. Spill area may be slippery.

7. Handling and storage

General : No naked lights. No smoking. Keep away from sources of ignition. For more information, refer to OSHA Standard 29 CFR 1910.106 or NFPA 77 or API Recommended Practice 2003.

Storage : Keep only in the original container in a cool, well ventilated place. Keep at temperature not exceeding 45°C.

Handling : Avoid : Repeated or prolonged skin contact. 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 : (Personal Protective Equipment (PPE) should meet recommended national standards. Check with PPE Supplier)

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 : Wear suitable protective clothing.

Eye protection : Even though no eye contact is expected under reasonable normal conditions of use, appropriate eye protection should be worn when handling this material.

Industrial hygiene : Provide adequate ventilation to minimize dust and/or vapour concentrations. When using, do not eat, drink or smoke.

Occupational Exposure : ACGIH 8 hour TLV-TWA : 5 mg/m³ for oil mists. OSHA PEL-TWA: 5 mg/m³.

Limits

9. Physical and chemical properties

Appearance	:	Yellow Ochre, Semi-solid.
Physical state	:	Paste.
Odour	:	Light odour of petroleum.
Dropping point [°C]	:	> 300 °C
Density [kg/m ³]	:	<1000 kg/m ³ @25°C
Solubility in water [% weight]	:	Insoluble
Flash point [°C]	:	> 180 °C (COC)

10. Stability and reactivity

Physico-chemical stability: Stable.

Conditions to avoid: Extremely high or low temperatures.

Materials to avoid: Oxidizing agents. Strong acids, bases.

Hazardous reactions: None under normal conditions.

Hazardous Polymerization: Will not occur.

11. Toxicological information

Acute toxicity: Not expected to be toxic.

Inhalation: Not expected to be toxic. Dermal Not expected to be toxic.

Sensitization: No sensitization effects known. Carcinogenicity Product contains highly refined mineral oils not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects. Mutagenicity Not considered a mutagenic hazard.

Other toxicological information: Not specifically applicable. See OSHA Hazard Communication Standard (29 CFR 1910, 200).

12. Ecological information

Ecological effects information: Not expected to be toxic.

Persistence and degradability: Expected to be not readily Biodegradable.

Bioaccumulative potential: Not determined. WGK class (Germany) : 1 : low hazard to waters. Mobility soil : Semi-Solid under most environmental conditions. Floats on water. Insoluble in water.

13. Disposal considerations

Disposal: Do not dispose into the environment, in drains or in water courses. Dispose in a safe manner in accordance with local/national regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

Container: Comply with local regulations for disposal. Waste-disposal

Procedures: See Directive 2001/118/EC.

Industrial waste number: 120112 - Spent Waxes and Fats.

14. Transport information

General information UN No. : Not regulated.

ADR/RID : Not regulated.

IMO-IMDG code : Not regulated.

ICAO/IATA : Not regulated.

15. Regulatory information

EC Labeling Symbol(s): None.

R Phrase(s): None.

S Phrase(s): S2: Keep out of the reach of children. S29/35: Do not empty into drains ; dispose of this material and its container in a safe way. S46: If swallowed seek medical advice immediately and show this container or label. S36/37 : Wear suitable protective clothing and gloves.

Special Labeling: Material Safety Data Sheet available for professional users on request.

Regul./ EINECS : All components are in compliance.

SARA - USA: Section 311 and 312 hazards classification(s).

US Toxic Substances Control Act - TSCA: This product is listed on the TSCA inventory or otherwise complies with TSCA Pre-manufacture notification requirements.

16. Other information

PETROGULF OIL MFG. IND. L.L.C. makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by PETROGULF OIL MFG. L.L.C. as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does PETROGULF OIL MFG. L.L.C. assume liability arising out of the use by others.