



MATERIAL SAFETY DATA SHEET

Product name:	GulfSea DE Compressor Oil	Page:	1/5
Revision Date:	14/02/2017	Revision nr:	4
Product No.:	2SC4000	Supersedes:	25/07/14

1. Identification of the product and the company

Trade name : GulfSea DE Compressor Oil (ISO VG 68, 100)
Use : Synthetic Compressor oil
Company identification : Gulf Oil Marine Ltd. 13th Floor, Fortis Tower, No. 77-79 Gloucester Road, Wan Chai, Hong Kong
Tel : (852) 3693 0568 Fax : (852) 3748 9960 www.gulf-marine.com
Emergency phone nr Company : Tel : (852) 3693 0568
: As above.

2. Information on ingredients

This product is not considered to be hazardous and does not contain hazardous components.

Composition (preparation) : Blend of diester base stock

Substance name	Value (s)	CAS nr	EINECS nr	EC index	CERTIFICATE
Synthetic Base Oil	: 50 - 100	MIXTURE	----	----	----

3. Hazards identification

Main hazards : Not a dangerous preparation according to 1999/45/EC.
Most important adverse human health effects : None under normal conditions.
Most important adverse environmental effects : No specific risk for the environment.
Symptoms relating to uses and possible misuses of the preparation
Inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.
Eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.
Other hazards : Avoid prolonged contact with used oil. Overexposure to oil mist cause respiratory irritations. Oil mist deposited on surfaces may cause slip hazard.

4. First aid measures

First aid
- After inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.
- After contact with skin : 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.
- After contact with eyes : Rinse immediately with plenty of water. Seek medical attention if irritation develops.
- After ingestion : DO NOT INDUCE VOMITING. Seek medical attention immediately.
Other Information : If there is any suspicion of aspiration into the lungs either directly or as a result of vomiting, obtain medical advice.



MATERIAL SAFETY DATA SHEET

Product name:	GulfSea DE Compressor Oil	Page:	2/5
Revision Date:	14/02/2017	Revision nr:	4
Product No.:	2SC4000	Supersedes:	25/07/14

5. Fire - fighting measures

- Extinguishing media**
- Suitable extinguishers** : Water fog. Carbon dioxide. Dry chemical. Foam. Sand.
- Extinguishers not to be used** : Do not use a heavy water stream.
- Special exposure hazards** : None under normal conditions. See also hazardous reactions § 10.
- Surrounding fires** : Use water spray or fog for cooling exposed containers.
- Special protective equipment for fire-fighters** : Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).
- Special procedures** : None Identified.

6. Accidental release measures

- Personal precautions** : Keep public away from danger area. Wear recommended personal protective 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.
- Cleaning methods** : 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.
- Specific use(s)** : Compressor oil.

8. Exposure controls / personal protection

- Exposure limit values** : According to TWA (TLV) ACGIH : 3 mg/m³ for oil mist.
- Occupational Exposure controls**
- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
 - **Hand protection** : Use neoprene or rubber gloves.
 - **Eye protection** : Safety glasses.
 - **Skin protection** : No special clothing/skin protection equipment is recommended under normal conditions of use.
- Specific hygiene measures** : Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. When using, do not eat, drink or smoke. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls** : See sections 6, 7, 12, 13.



MATERIAL SAFETY DATA SHEET

Product name:	GulfSea DE Compressor Oil	Page:	3/5
Revision Date:	14/02/2017	Revision nr:	4
Product No.:	2SC4000	Supersedes:	25/07/14

9. Physical and chemical properties

General Information

Physical state : Liquid
Colour : Amber
Odour : Mild

Important health, safety and environmental information

Pour point [°C] : -48 to -40 °C
Viscosity at 40°C [mm²/s] : 68 to 100
Flash point [°C] (ASTM D 92) : 240 - 260°C
Specific gravity : 0.846 to 0.853
Other information
Solubility in water : No data available.

10. Stability and reactivity

Stability of the preparation : Stable under normal condition.
Hazardous reactions : None under normal conditions
Conditions to avoid : Open flame. Sparks. Overheating
Materials to avoid : Oxidizing agents. Strong acids, bases
Hazardous decomposition products : Carbon dioxide. Carbon monoxide.
Hazardous Polymerization : Will not occur.

11. Toxicological information

Routes of exposure : Inhalation, ingestion, skin contact, eye contact.
Acute toxicity : Not expected to be toxic.
Inhalation : Practically non toxic at normal conditions of usage. May cause respiratory irritation following prolonged or repeated inhalation of excessive oil mist and vapours.
Ingestion : Practically non toxic if swallowed in small doses. Larger quantities may cause nausea & diarrhoea.
Skin contact : Not expected to be a primary skin irritant. Prolonged or repeated exposure may lead to dermatitis.
Eye Contact : Repeated exposure may cause a slight irritation.
Sensitization : No sensitization effects known.
Repeated dose toxicity : No data available.
Chronic/ other effects : Not expected to be toxic.
Carcinogenicity : No data available. The ingredients used in this preparation have not been listed in the US National Toxicology Program (NTP) nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans.
Mutagenicity : Not expected to be a mutagenic hazard.
Reproductive toxicity : No data available.



MATERIAL SAFETY DATA SHEET

Product name:	GulfSea DE Compressor Oil	Page:	4/5
Revision Date:	14/02/2017	Revision nr:	4
Product No.:	2SC4000	Supersedes:	25/07/14

12. Ecological information

Ecological effects information	:	Adverse effects to the environment are not expected from this product
Ecotoxicity	:	Not expected to be toxic
Mobility	:	Ground water contamination may be caused through spillages
Persistence and degradability	:	Inherently Biodegradable
Bioaccumulative potential	:	Not determined
Results of PBT assessment	:	No data available
Other adverse effects	:	None identified

13. Disposal considerations

Waste Disposal	:	Dispose in a safe manner in accordance with local/national regulations.
Waste-disposal procedures	:	See Directive 2001/118/EC.
Industrial waste number (EURAL)	:	13 02 06 - Synthetic engine, gear and lubricating oils.
Contaminated packaging	:	Do not attempt to refill or clean containers without proper instructions. Do not cut, pressurise, weld, braze, solder, drill, grind or expose such containers to the heat, flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death.

14. Transport information

General information	:	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
UN No.	:	Not regulated.
ADR/RID	:	Not regulated.
IMO-IMDG code	:	Not regulated.
ICAO/IATA	:	Not regulated.

15. Regulatory information

EC Labelling	:	Not classified.
Symbol(s)	:	None.
R Phrase(s)	:	None.
S Phrase(s)	:	None.
Special Labelling	:	Material Safety Data Sheet available for professional users on request.
Regul./ EINECS	:	All components are in compliance with the EC Seventh amendment Directive 92/32/ EEC
Canada	:	In compliance (DSL)
SARA – USA	:	Section 311 and 312 hazards classification(s) : None
US Toxic Substances Control Act - TSCA	:	In compliance
Australian Inventory of Chemical Substances (AICS)	:	In compliance
WHMIS (Canada)	:	Not classified. Not listed on the Canadian Controlled Product Ingredient Disclosure and is compliant with Controlled Products Regulation.
OSHA hazardous chemical(s)	:	Not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.



MATERIAL SAFETY DATA SHEET

Product name:	GulfSea DE Compressor Oil	Page:	5/5
Revision Date:	14/02/2017	Revision nr:	4
Product No.:	2SC4000	Supersedes:	25/07/14

16. Other information

Further information	:	For specific or detailed technical data for this product, please contact your local sales representative.
Revision Indicators	:	None.
Sources of key data used	:	CONCAWE and relevant EC Regulations

The contents and format of this MSDS are in accordance with Regulation (EC) Np 1907/2006 of the European Parliament and of the Council.

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