



MATERIAL SAFETY DATA SHEET

Product name:	GulfSea Cylcare DCA 5070H	Page:	1/4
Revision Date:	14/02/2017	Revision nr:	3
Product No.:	1CY1570	Supersedes:	25/07/2014

1. Identification of the product and the company

Trade name : GulfSea Cylcare DCA 5070H
Use : Marine Cylinder 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 : Tel : (852) 3693 0568

2. Information on ingredients

Composition (preparation) : Mixture of mineral base oils (PCA content < 3% - IP 346) and additives.

Substance name	Value (s)	CAS nr	EINECS nr	EC index	CERTIFICATE
Calcium long chain alkaryl sulfonate	: 1 - 10 %	-----	-----	-----	R53
Calcium branched chain alkylphenate sulphide	: 1 - 5 %	-----	-----	-----	R53
Calcium long chain alkaryl sulfonate	: 0.1 - 1 %	722503-68-6	-----	-----	R43 R53
Branched alkylphenol and Calcium branched alkylphenol	: 0.1 - 1 %	74499-35-7 & 132752-68-6	-----	-----	Xi:38, Repro. Cat. 3; R62 N; R50/53

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.

4. First aid measures

First aid

- **Inhalation** : Assure fresh air breathing. If you feel unwell, seek medical advice.
- **Skin contact** : Never use kerosine or gasoline for cleaning the skin. Wash skin thoroughly with mild soap and water.
Remove contaminated clothing and shoes.
- **Eye contact** : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **Ingestion** : Do not induce vomiting. Seek medical attention immediately.

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

Extinguishing media

- Suitable extinguishers** : Water fog. Dry chemical. Carbon dioxide. Alcohol foam.
- 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** : Under fire conditions, hazardous fumes will be present.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.



MATERIAL SAFETY DATA SHEET

Product name:	GulfSea Cylcare DCA 5070H	Page:	2/4
Revision Date:	14/02/2017	Revision nr:	3
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6. Accidental release measures

- Personal precautions** : Remove ignition sources.
Avoid all unnecessary exposure. Equip cleanup crew with proper protection.
- Environmental precautions** : Notify authorities if liquid enters sewers or public waters.
Prevent entry to sewers and public waters.
- After spillage and/or leakage** : Spill area may be slippery. Use suitable disposal containers.
Clean up any spills as soon as possible, using an absorbent material to collect it.

7. Handling and storage

- General Storage** : No naked lights. No smoking. Keep away from sources of ignition.
Keep only in the original container in a cool, well ventilated place. Keep at temperature not exceeding.
- 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** : The use of Filtertype A (EN 141) is recommended If exceeding the Occupational Exposure Limit.
 - **Hand protection** : Wear suitable gloves resistant to chemical penetration. (EN 374).
Use neoprene or rubber gloves.
 - **Skin protection** : Wear suitable protective clothing.
 - **Eye protection** : Chemical goggles or safety glasses.
- Industrial hygiene** : When using, do not eat, drink or smoke.
Provide adequate ventilation to minimize dust and/or vapour concentrations.
- Occupational Exposure Limits** : United Kingdom: Occupational Exposure Standard (OES) of 5 mg/m³, 8-hour time-weighted average reference period for oil mist.
The American Conference of Governmental Industrial Hygienists (ACGIH) has assigned mineral oil mist a threshold limit value (TLV) of 5 mg/m³ as a Time Weighted Average (TWA) for a normal 8-hour workday and a 40-hour workweek and a short-term exposure limit (STEL) of 10 mg/m³ for periods not to exceed 15 minutes. Exposures at the STEL concentration should not be repeated more than four times a day and should be separated by intervals of at least 60 minutes.
[ACGIH 1994, p. 28]

9. Physical and chemical properties

- Physical state** : Viscous liquid.
- Colour** : Brown.
- Odour** : Mild.
- Pour point [°C]** : < -10
- Viscosity at 100°C [mm²/s]** : >18.5
- Flash point [°C] (ASTM D 92)** : > 220°C



MATERIAL SAFETY DATA SHEET

Product name:	GulfSea Cylcare DCA 5070H	Page:	3/4
Revision Date:	14/02/2017	Revision nr:	3
Product No.:	1CY1570	Supersedes:	25/07/2014

10. Stability and reactivity

Physico-chemical stability	:	Stable. Avoid extreme heat and high energy sources of ignition
Conditions to avoid	:	Extremely high or low temperatures.
Materials to avoid	:	Oxidizing agents.
Hazardous decomposition products	:	None under normal conditions.
Hazardous reactions	:	None under normal conditions.

11. Toxicological information

Acute toxicity	:	Not expected to be toxic.
- Inhalation	:	Harmful by inhalation.
- Corrosivity	:	No adverse health effects were noted
- Sensitisation	:	Experimental data has shown that the concentration of potentially sensitizing components present in this product does not induce skin sensitization
- Carcinogenicity	:	This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractable by the IP 346 test.
- Mutagenicity	:	Not expected to be mutagenetic.
- Other toxicological information	:	During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. Avoid prolonged contact with used motor oil.

12. Ecological information

Ecological effects information	:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence and degradability	:	Minimally biodegradable.
Bioaccumulative potential	:	Not determined.
Mobility soil	:	It is to be expected small mobility in soil. Some or a few components may get into the soil and may cause pollution of ground water.

13. Disposal considerations

Disposal	:	Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Recover waste liquids for recycling/re-use. See Directive 2001/118/EC.
Waste-disposal procedures	:	See Directive 2001/118/EC
Industrial waste number	:	13 02 08 - other engine, gear and lubricating oils.



MATERIAL SAFETY DATA SHEET

Product name:	GulfSea Cylcare DCA 5070H	Page:	4/4
Revision Date:	14/02/2017	Revision nr:	3
Product No.:	1CY1570	Supersedes:	25/07/2014

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

Regulatory Lists Searched:	:	01-1=IARC Group 1, 01-2A=IARC Group 2A, 01-2B=IARC Group 2B . No components of this material were found on the regulatory lists above.
Chemical Inventories:	:	All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), KECl (Korea), KECI (Korea), PICCS (Philippines), TSCA (United States).

16. Other information

R-phrases listed in chapter 2	:	R38: Irritating to skin. R43: May cause sensitisation by skin contact. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R53: May cause long term effects in the aquatic environment. R62: Possible risk of impaired fertility.
Further information	:	None.
Sources of key data used	:	CONCAWE.

The contents and format of this MSDS are in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

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