

Gulf Marine Pte. Ltd.

Chemwatch: **5670-12** Version No: **2.1** Safety Data Sheet in accordance with SS 586-3:2022 Issue Date: 09/11/2023 Print Date: 07/05/2025 S.GHS.SGP.EN.E

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier

Product name	GulfSea HYPERBAR LCM 2	
Chemical Name	Not Applicable	
Synonyms	Not Available	
Chemical formula	Not Applicable	
Other means of identification	2MG4122-93	

Relevant identified uses of the substance or mixture and uses advised against

Polovent identified uses	Grease
Relevant Identified uses	Grease Use according to manufacturer's directions.

Details of the manufacturer or importer of the safety data sheet

Registered company name	Gulf Marine Pte. Ltd.	
Address	37 Tuas Road 638503 Singapore	
Telephone	+65 6592 0120	
Fax	Not Available	
Website	Not Available	
Email	sds@gulf-marine.com	

Emergency telephone number

Association / Organisation	Gulf Marine Pte. Ltd.
Emergency telephone number(s)	+65 6592 0120
Other emergency telephone number(s)	Not Available

SECTION 2 Hazards identification

Classification of the substance or mixture

Classification	Non hazardous
Label elements	
Hazard pictogram(s)	Not Applicable
Signal word	Not Applicable
Hazard statement(s) Not Applicable	
Precautionary statement(s) Pre Not Applicable	evention
Precautionary statement(s) Res	sponse

Precautionary statement(s) Storage

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Precautionary statement(s) Disposal

Not Applicable

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Other hazards

Not Applicable

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name	Synonyms	Chemical formula
Not Available	NotSpec	proprietary ingredients		Not Available

SECTION 4 First aid measures

Description of first aid measures		
Eye Contact	If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. 	
Skin Contact	If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. 	
Inhalation	 If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. 	
Ingestion	 Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. 	

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media

- Foam.
- Dry chemical powder. BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog Large fires only.

Special hazards arising from the substrate or mixture

Fire Incompatibility	None known.	
Advice for firefighters		
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water courses. Use water delivered as a fine spray to control fire and cool adjacent area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use. 	

Fire/Explosion Hazard Combustible. Will burn if ignited.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	 Clean up all spills immediately. Avoid contact with skin and eyes. Wear impervious gloves and safety goggles. Trowel up/scrape up. Place spilled material in clean, dry, sealed container. Flush spill area with water.
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Control personal contact with the substance, by using protective equipment. Prevent spillage from entering drains, sewers or water courses. Recover product wherever possible. Put residues in labelled containers for disposal. If contamination of drains or waterways occurs, advise emergency services.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Safe handling	 Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
Other information	 Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities

Suitable container	 Metal can or drum Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	Avoid contamination of water, foodstuffs, feed or seed. None known

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

Ingredient	Original IDLH	Revised IDLH
GulfSea HYPERBAR LCM 2	Not Available	Not Available

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a can be highly effective in protecting workers and will typically The basic types of engineering controls are: Process controls which involve changing the way a job activi Enclosure and/or isolation of emission source which keeps a strategically "adds" and "removes" air in the work environme design of a ventilation system must match the particular proc Employers may need to use multiple types of controls to pre-	y be independent of worker interactions to provide this hig ity or process is done to reduce the risk. I selected hazard "physically" away from the worker and v nt. Ventilation can remove or dilute an air contaminant if o cess and chemical or contaminant in use.	h level of protection.
	General exhaust is adequate under normal operating conditi essential to obtain adequate protection. Provide adequate ve the workplace possess varying "escape" velocities which, in effectively remove the contaminant.	entilation in warehouse or closed storage areas. Air conta	minants generated in
	Type of Contaminant:		Air Speed:
	solvent, vapours, degreasing etc., evaporating from tank (i	n still air)	0.25-0.5 m/s (50- 100 f/min)
	aerosols, fumes from pouring operations, intermittent cont spray drift, plating acid fumes, pickling (released at low vel		0.5-1 m/s (100- 200 f/min.)
	direct spray, spray painting in shallow booths, drum filling, generation into zone of rapid air motion)	conveyer loading, crusher dusts, gas discharge (active	1-2.5 m/s (200- 500 f/min)
	grinding, abrasive blasting, tumbling, high speed wheel ge of very high rapid air motion).	nerated dusts (released at high initial velocity into zone	2.5-10 m/s (500- 2000 f/min.)
	Within each range the appropriate value depends on:		
	Lower end of the range	Upper end of the range	
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents	
	2: Contaminants of low toxicity or of nuisance value only	2: Contaminants of high toxicity	
	3: Intermittent, low production.	3: High production, heavy use	
	4: Large hood or large air mass in motion	4: Small hood - local control only	
	Simple theory shows that air velocity falls rapidly with distance decreases with the square of distance from the extraction por adjusted, accordingly, after reference to distance from the cora minimum of 1-2 m/s (200-400 f/min.) for extraction of solve	bint (in simple cases). Therefore the air speed at the extra contaminating source. The air velocity at the extraction fan,	ction point should be for example, should b

	mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.
Individual protection measures, such as personal protective equipment	
Eye and face protection	 Safety glasses with side shields Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent] Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].
Skin protection	See Hand protection below
Hands/feet protection	Wear general protective gloves, eg. light weight rubber gloves.
Body protection	See Other protection below
Other protection	No special equipment needed when handling small quantities. OTHERWISE: • Overalls. • Barrier cream. • Eyewash unit.

Respiratory protection

· Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.

The decision to use respiratory protection should be based on professional judgment that takes into account toxicity information, exposure measurement data, and frequency and likelihood of the worker's exposure - ensure users are not subject to high thermal loads which may result in heat stress or distress due to personal protective equipment (powered, positive flow, full face apparatus may be an option).

Published occupational exposure limits, where they exist, will assist in determining the adequacy of the selected respiratory protection. These may be government mandated or vendor recommended.

Certified respirators will be useful for protecting workers from inhalation of particulates when properly selected and fit tested as part of a complete respiratory protection program.

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

· Use approved positive flow mask if significant quantities of dust becomes airborne.

· Try to avoid creating dust conditions.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Greyish black color semi solid with no odor.		
Physical state	Gel	Relative density (Water = 1)	<1
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	>220 (COC)	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available
Heat of Combustion (kJ/g)	Not Available	Ignition Distance (cm)	Not Available
Flame Height (cm)	Not Available	Flame Duration (s)	Not Available
Enclosed Space Ignition Time Equivalent (s/m3)	Not Available	Enclosed Space Ignition Deflagration Density (g/m3)	Not Available

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	
Conditions to avoid	See section 7

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 Incompatible materials
 See section 7

 Hazardous decomposition products
 See section 5

SECTION 11 Toxicological information

nformation on toxicological ef	ifects		
a) Acute Toxicity	Based on available data, the classification criteria a	re not met.	
b) Skin Irritation/Corrosion	Based on available data, the classification criteria a	re not met.	
c) Serious Eye Damage/Irritation	Based on available data, the classification criteria a	re not met.	
d) Respiratory or Skin sensitisation	Based on available data, the classification criteria a	re not met.	
e) Mutagenicity	Based on available data, the classification criteria a	re not met.	
f) Carcinogenicity	Based on available data, the classification criteria a	re not met.	
g) Reproductivity	Based on available data, the classification criteria a	re not met.	
h) STOT - Single Exposure	Based on available data, the classification criteria a	re not met.	
i) STOT - Repeated Exposure	Based on available data, the classification criteria a	re not met.	
j) Aspiration Hazard	Based on available data, the classification criteria a	re not met.	
Inhaled			ry tract (as classified by EC Directives using animal num and that suitable control measures be used in an
Ingestion	The material has NOT been classified by EC Direction of corroborating animal or human evidence.	ives or other classification systems a	is "harmful by ingestion". This is because of the lack
Skin Contact	The material is not thought to produce adverse heal models). Nevertheless, good hygiene practice requi occupational setting.		
Eye	Although the material is not thought to be an irritant discomfort characterised by tearing or conjunctival r		ect contact with the eye may produce transient
Chronic	Long-term exposure to the product is not thought to animal models); nevertheless exposure by all route:		
	ΤΟΧΙCΙΤΥ	IRRITATION	
GulfSea HYPERBAR LCM 2	Not Available	Not Available	
Legend:	1. Value obtained from Europe ECHA Registered S specified data extracted from RTECS - Register of		btained from manufacturer's SDS. Unless otherwise
Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	×	Reproductivity	×
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×

Serious Eye Damage/Irritation Respiratory or Skin sensitisation Mutagenicity

Other information

Not Available

Toxicity

SECTION 12 Ecological information

×

×

	Endpoint	Test Duration (hr)	Species	Value	Source
GulfSea HYPERBAR LCM 2	Not Available	Not Available	Not Available	Not Available	Not Available
Legend:	Ecotox databa	, , ,	tered Substances - Ecotoxicological Information azard Assessment Data 6. NITE (Japan) - Biocon		

STOT - Repeated Exposure

Legend:

Aspiration Hazard

×

×

Data either not available or does not fill the criteria for classification
 Data available to make classification

DO NOT discharge into sewer or waterways.

Persistence and degradability

No Data available for all ingredients No Data	ta available for all ingredients

Bioaccumulative potential

Ingredient	Bioaccumulation
	No Data available for all ingredients

Mobility in soil

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Ingredient	Mobility
	No Data available for all ingredients

Other adverse effects

No evidence of ozone depleting properties were found in the current literature.

SECTION 13 Disposal considerations

Waste treatment methods	
Product / Packaging disposal	 Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill.

SECTION 14 Transport information

La	abels Required	
	Marine Pollutant	NO

Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.7. Maritime transport in bulk according to IMO instruments

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

7.3. Transport in bulk in accordance	with the IGC Code
roduct name Ship Ty	уре

SECTION 15 Regulatory information

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

Additional Regulatory Information

Not Applicable

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non- Industrial Use	Not Available
Canada - DSL	Not Available
Canada - NDSL	Not Available
China - IECSC	Not Available
Europe - EINEC / ELINCS / NLP	Not Available
Japan - ENCS	Not Available
Korea - KECI	Not Available
New Zealand - NZIoC	Not Available
Philippines - PICCS	Not Available
USA - TSCA	Not Available
Taiwan - TCSI	Not Available
Mexico - INSQ	Not Available
Vietnam - NCI	Not Available
Russia - FBEPH	Not Available
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 16 Other information

Revision Date	09/11/2023
Initial Date	09/11/2023

Part Number:

Version No: 2.1

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Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.