SAFETY DATA SHEET

Gulfmar DDC, SAE 40 **14111/40/1**

Issuing Date 03-30-2022 **Revision Date** 03-30-2022 **Version** 2

SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product identifier

Product Name **Gulfmar DDC, SAE 40**
Product Code(s) 14111/40/1

Other means of identification

UN number or ID number Not Applicable

Recommended use of the chemical and restrictions on use

Recommended use Engine oil

Uses advised against Any other purpose.

Suppliers name, address and phone number

AR Oil Distribution Pty Ltd official licensee of Gulf Oil International for Australia
12 Greycliffe Ave
Pennant Hills
NSW 2120
Australia
Tel: +61 (0) 411404594

AB Equipment Ltd official licensee of Gulf Oil International for New Zealand
12 Pukekiwiriki Place
Highbrook Drive
Auckland
Tel: (+) 64 0800 30 30 90

products@gulfoilltd.com, sds@gulfoilltd.com

Emergency Telephone Number

AU: (+) 61 1 800 686 951 (Code 334276)
NZ: (+) 64 800 451719 (Code 334276)

Poison Information Center telephone number **(AU)** 13 11 26, **(NZ)** 0800 764 766

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Not classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS)

Label elements

Signal word
None

Hazard statements
None

Precautionary Statements
None

Other hazards which do not result in classification

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. Health hazard information is based on its ingredients

Chemical name	CAS No.	Weight-%
Highly refined base oil (Viscosity >20.5 cSt @40°C)	-	60% - 100%
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	-	2.5% - 10%

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346. The highly refined base oil may be described by one or more of the following generic CAS identifiers: 64742-54-7, 64742-65-0, 64742-52-5, 64742-53-6, 64742-62-7, 64742-57-0, 64742-01-4, 64741-88-4, 64741-96-4, 64741-97-5, 64742-55-8, 64742-56-9, 64741-89-5, 8042-47-5. Product containing mineral oil with less than 3% DMSO extract as measured by IP 346.

The remaining composition is a mixture of non-classified ingredients or additives below the threshold for disclosure

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice May produce an allergic reaction. If symptoms persist, call a physician.

Inhalation Remove to fresh air.

Skin contact Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. May cause an allergic skin reaction. If symptoms persist, call a physician.

Eye contact Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

Ingestion Clean mouth with water. Drink plenty of water. Do not induce vomiting without medical advice.

Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms and effects, both acute and delayed

Main Symptoms Prolonged contact may cause redness and irritation. Rashes. Irritating.

Indication of any immediate medical attention and special treatment needed

Notes to physician May cause sensitization of susceptible persons. Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use:. Carbon dioxide (CO2). Dry chemical. Foam. Water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Extinguishing media which shall not be used for safety reasons
Do not use straight streams. Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. The product is insoluble and floats on water.

Hazardous decomposition products
Carbon monoxide (CO), carbon dioxide (CO2)

Advice for firefighters

Special protective equipment for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear

Hazchem code Not listed.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Advice for non-emergency personnel Extremely slippery when spilled.

Advice for emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Dike to collect large liquid spills

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

See Section 8/12/13 for additional information

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Remove all sources of ignition. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep cool. Protect from sunlight. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials
Oxidizing agent

Recommended use Engine oil

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	Australia	New Zealand	New Zealand - Biological Exposure Indices (BEI)
Highly refined base oil (Viscosity >20.5 cSt @40°C)	TWA: 5 mg/m³	TWA: 5 mg/m³ STEL: 10 mg/m³	
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	TWA: 5 mg/m³	TWA: 5 mg/m³ STEL: 10 mg/m³	

Australia - Workplace Exposure Standards for Airborne Contaminants.
New Zealand - Workplace Exposure Standards and Biological Exposure Indices.

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment Engineering controls should be considered as the first line of protection against adverse exposure to harmful substances, Administrative controls and PPE should be used in the absence of engineering controls or as supplemental controls where engineering controls are insufficient in reducing specific exposures to an acceptable level

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses with side-shields.

Skin and body protection Long sleeved clothing.

Hand Protection
The following glove type may be suitable for handling this product:. Protective gloves complying with EN 374.

Nitrile rubber	*Glove thickness => 0.38 mm Break through time => 480 min*
Butyl rubber	*Glove thickness => 0.64 mm Break through time => 480 min*

Glove material suitability will vary depending on specific use conditions. Consideration should be given to variables such as operational characteristics, anticipated contact time, task requirements and other factors relevant to the selection of PPE. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take

into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Any specific glove information provided is based on published literature and glove manufacturer data. Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Respiratory protection No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hygiene measures Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

Environmental Exposure Controls Avoid release to the environment.

Thermal hazards None under normal use conditions

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	**Appearance**	clear Amber
Odor	Hydrocarbon-like	**Odor threshold**	Not Determined

Property	Values	Remarks
pH	Not applicable	
Melting point / freezing point	Not determined	
Initial boiling point and boiling range	Not determined	
Flash point	242 °C / 468 °F	ASTM D 92
Evaporation rate	Not determined	
Flammability	Ignitable substance	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor pressure	Not Determined	
Relative vapor density	Not determined	
Relative density	0.8966 @ 15 °C	
Solubility(ies)	Insoluble in water	
Partition coefficient	Not determined	
Autoignition temperature	Not Determined	
Decomposition temperature	No data available	
Kinematic viscosity	144.26 cSt @ 40 °C	ASTM D 445
Explosive properties	Not applicable	
Oxidizing Properties	Not applicable	

Other Information

Viscosity, kinematic (100°C)	14.25 cSt @ 100°C	ASTM D 445
Pour Point	-12 °C / 10 °F	ASTM D 97
VOC Content (ASTM E-1868-10)	Not Determined	
VOC content	Not Determined	

SECTION 10: STABILITY AND REACTIVITY

Reactivity

None under normal use conditions

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal use conditions

Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition, Extremes of temperature and direct sunlight

Incompatible materials

Oxidizing agent

Hazardous decomposition products

Carbon monoxide (CO); Thermal decomposition can lead to release of irritating and toxic gases and vapors; Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure

Product Information - Principle Routes of Exposure

Inhalation None known

Eye contact None known

Skin contact Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

Ingestion None known

Numerical measures of toxicity - Product Information

ATEmix (oral) 40,919.00 mg/kg
ATEmix (dermal) >2000 mg/kg

Acute toxicity - Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Acute toxicity - Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Highly refined base oil (Viscosity >20.5 cSt @40°C)	>2000 mg/kg	>2000 mg/kg	>5 mg/L
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	>2000 mg/kg	>2000 mg/kg	>5 mg/L

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Sensitization

Respiratory Sensitization Based on available data, the classification criteria are not met.

Skin sensitization Based on available data, the classification criteria are not met. Repeated contact may cause allergic reactions in very susceptible persons.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met

STOT - repeated exposure Based on available data, the classification criteria are not met

Aspiration hazard Based on available data, the classification criteria are not met

Other adverse effects No information available

Exposure levels See section 8 for more information

Interactive effects None known

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

No special environmental measures are necessary

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Highly refined base oil (Viscosity >20.5 cSt @40°C)	>100: 72 h mg/L EC50	>100: 96 h mg/L LC50		>100: 48 h mg/L EC50
Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	>100: 72 h mg/L EC50	>100: 96 h mg/L LC50		>100: 48 h mg/L EC50

Persistence and degradability

The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

Bioaccumulative potential

No information available

Mobility in soil

The product is insoluble and floats on water. Is not likely mobile in the environment due its low water solubility.

Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

Safe handling and disposal methods

Dispose of in accordance with local regulations

Disposal of any contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Observe all label precautions until container is cleaned, reconditioned or destroyed.

Environmental regulations

Should not be released into the environment

SECTION 14: TRANSPORT INFORMATION

ADG	Not regulated
Hazchem code	Not listed
IMDG	Not regulated
IATA	Not regulated

SECTION 15: REGULATORY INFORMATION

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

National regulations

Australia

Model Work Health and Safety Regulations (2021).
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (2020).

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)
No poisons schedule number allocated

New Zealand

Health and Safety at Work (Hazardous Substances) Regulations 2017.

New Zealand	Not Regulated
HSNO Approval Number:	Not Regulated
HSNO Hazard Classification:	Not Regulated

International Regulations

Ozone-depleting substances (ODS)
Not applicable

The Stockholm Convention on Persistent Organic Pollutants
Not applicable

The Rotterdam Convention
Not applicable

International Inventories

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
All ingredients are on the inventory or exempt from listing

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
All ingredients are on the inventory or exempt from listing

AICS - Australian Inventory of Chemical Substances
All ingredients are on the inventory or exempt from listing

PICCS - Philippines Inventory of Chemicals and Chemical Substances
All ingredients are on the inventory or exempt from listing

KECL - Korean Existing and Evaluated Chemical Substances
All ingredients are on the inventory or exempt from listing

IECSC - China Inventory of Existing Chemical Substances
All ingredients are on the inventory or exempt from listing

ENCS - Japan Existing and New Chemical Substances
All ingredients are on the inventory or exempt from listing

TCSI - Taiwan National Existing Chemical Inventory
Contact supplier for inventory compliance status

NZIoC - New Zealand Inventory of Chemicals
All ingredients are on the inventory or exempt from listing

Other Information

The highly refined base oil (Viscosity >20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers:

Chemical name	CAS No.	EC No (EU Index No)
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated	101316-72-7	309-877-7
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	265-090-8
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	265-091-3
Residual oils (petroleum), solvent deasphalted	64741-95-3	265-096-0
Distillates (petroleum), solvent-refined heavy naphthenic	64741-96-4	265-097-6
Distillates (petroleum), solvent-refined light naphthenic	64741-97-5	265-098-1
Residual oils (petroleum), solvent-refined	64742-01-4	265-101-6
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	265-156-6
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	265-157-1

Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	265-159-2
Residual oils (petroleum), hydrotreated	64742-57-0	265-160-8
Lubricating oils (petroleum), hydrotreated spent	64742-58-1	265-161-3
Residual oils (petroleum), solvent-dewaxed	64742-62-7	265-166-0
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Paraffin oils (petroleum), catalytic dewaxed heavy	64742-70-7	265-174-4
Paraffin oils (petroleum), catalytic dewaxed light	64742-71-8	265-176-5
Lubricating oils (petroleum), C>25, hydrotreated bright stock-based	72623-83-7	276-735-8
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity	72623-85-9	276-736-3
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	276-737-9
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	276-738-4
Lubricating oils	74869-22-0	278-012-2
White mineral oil (petroleum)	8042-47-5	232-455-8

The highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers:

Chemical name	CAS No.	EC No (EU Index No)
Distillates (petroleum), heavy hydrocracked	64741-76-0	265-077-7
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	265-090-8
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	265-091-3
Residual oils (petroleum), solvent deasphalted	64741-95-3	265-096-0
Distillates (petroleum), solvent-refined heavy naphthenic	64741-96-4	265-097-6
Distillates (petroleum), solvent-refined light naphthenic	64741-97-5	265-098-1
Residual oils (petroleum), solvent-refined	64742-01-4	265-101-6
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	265-156-6
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	265-157-1
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	265-159-2
Residual oils (petroleum), hydrotreated	64742-57-0	265-160-8
Lubricating oils (petroleum), hydrotreated spent	64742-58-1	265-161-3
Residual oils (petroleum), solvent-dewaxed	64742-62-7	265-166-0
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	265-169-7
Paraffin oils (petroleum), catalytic dewaxed heavy	64742-70-7	265-174-4
Paraffin oils (petroleum), catalytic dewaxed light	64742-71-8	265-176-5
Dec-1-ene, homopolymer, hydrogenated	68037-01-4	500-183-1
Lubricating oils (petroleum), C>25, hydrotreated bright stock-based	72623-83-7	276-735-8
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity	72623-85-9	276-736-3
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	276-737-9
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	276-738-4
Lubricating oils	74869-22-0	278-012-2

SECTION 16: OTHER INFORMATION

Issuing Date 03-30-2022

Revision Date 03-30-2022

Revision Note This SDS has been revised in the following section(s) 8, 15

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA	Time weighted average	STEL	Short term exposure limit
Ceiling	Maximum limit value:	Sk*	Skin designation
+	Sensitizers	C	Carcinogen

STOT SE - Specific target organ systemic toxicity (Single exposure)
STOT RE - Specific target organ systemic toxicity (repeated exposure)
VOC - Volatile organic compounds

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet