SAFETY DATA SHEET

Gulf Harmony HVI 68

Section 1. Identification

Material name: Gulf Harmony HVI 68

Product Code 5068

SDS no. SDS 5068-1

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

Use of the substance/ mixture Hydraulic system lubricants.
For specific application advice see appropriate Technical Data Sheet or consult our company representative

Manufacturer Supplier
Gulf Oil KSA
P.O.BOX: 1432, Jeddah 21431
Prince Sultan Road, Ayah Mall
www.petromin.com
Tel: +966 12 60 8300
Fax: +966 12 608 2545

Australian Supplier
International Lubricant Distributors Pty Ltd Unit 11, 100 Hay Street, Subiaco, 6008, WA ABN 79 139 276 887
admin@ilddirect.com
Tel: 1300 558 939 Fax: +61 8 9381 1788

Emergency Telephone Number
Technical Services Department
Telephone: +966 12 215 7000

Section 2. Hazard(s) identification

Classification of the substance or mixture Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

GHS label elements:

- **Hazard Pictograms:** No hazard pictogram is used
- **Signal word:** No signal word is used
- **Hazard statement:** No known significant effects or critical hazards

Precautionary statement:

- **Prevention:** Not applicable
- **Response:** Not applicable
- **Storage:** Not applicable
- **Disposal:** Not applicable

Other hazards which do not result in classification Not applicable

Section 3. Composition and ingredient information

Substance/ mixture Mixture

Components	CAS No.	Percent
Distillates, petroleum, solvent-dewaxed light paraffinic	64742-56-9	95-99%
Performance Additives	Mixture	1-5%

Section 4. First aid measures

Description of necessary first aid measures

Eye contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure through rinsing. Check and remove any contact lenses. Get medical attention

Skin contact No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water.

Inhalation If inhaled, remove the person to fresh air. Get medical attention if symptoms

Inegstion Do not induce vomiting. As a precaution, get medical advice.

Symptoms caused by exposure Not available

Special Treatment No special treatment

Section 5. Fire-fighting measures

Suitable extinguishing media In case of fire, use Foams, dry chemicals, CO_2, nylons and powders

unsuitable extinguishing media Do not use water

Protection Equipment Heat resistant suit and gloves, Self-contained breathing apparatus

Special Risks None

Special Measures Not required

Combustion Products CO2, H_2O, CO (in defect of air), nitrogen, sulfur and phosphorus oxides

Section 6. Accidental release measure

Precautions for the Environment Hazard of physical fouling to coasts, soils, etc. due to low solubility and high viscosity of the oils. Avoid the material entering water intakes

Clean-up Method Treat as an accidental oil spill or leak; avoid dispersion of the material with mechanical barriers. Remove with physical or chemical treatment

Personal Precautions Avoid prolonged contact with contaminated clothes or with the product

Personal Protection Gloves and goggles or face shield

Section 7. Handling and storage

Precautions for safe handling & storage

Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations. Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940. This product should be stored and used in a well-ventilated area away from naked flames, sparks and other sources of ignition.

Dangerous practices

Not available

Section 8. Exposure control/ Personal protection

Exposure Standard

No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for oil mist is 5 mg/m^3.TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:

Physical state:	Liquid
Color:	Amber
Specific Gravity (at 15ºC):	0.882 (typical)
Flash point:	226 ºC
Explosive Properties:	Not available
Oxidizing Properties:	Not available
Water Solubility:	Insoluble (100 PPM max. H_2O)
Solubility:	Organic solvents
Vapor Density:	Not available
Vapor Pressure:	Not available
Viscosity at 100ºC:	10.84 cSt (typical)
Pour Point:	-33 ºC (typical)
Boiling Point:	Not available

Section 10. Stability and reactivity

Reactivity	Stable under recommended transport storage conditions
Chemical stability	The product is stable
Polymerization Risk	Not available
Materials to Avoid	Strong oxidants react with oils and organic materials
Hazardous Decomposition products	Not available
Condition to Avoid	Exposure to open flames

Section 11. Toxicological information

Routes of Exposure	Contact with skin, eyes and inhalation. Ingestion is not frequent.
Acute and chronic Effects	No malignant acute effects are known. Chronic effects due to repeated exposures are irritation, dermatitis and acne
Carcinogenicity	Not available
Reproductive Toxicity	No evidences
Medical Conditions which increase Hazard to Exposure	Respiratory tract deficiencies and dermatological problems

Section 12. Ecological information

Pollutant Potential:

Persistence and Degradability	the material is oily and viscous and floats on water. It presents a high physical fouling potential, mainly in sea-spills; by contact, destroys small acuatic organisms and makes living difficult for upper organisms, not allowing the
Mobility/Bioaccumulative Potential	it does not present bioaccumulative problems in living organisms or incidence in the tropic food chain, although it may cause long-term adverse effects in the acuatic environment, due to its high physical fouling potential
Eco toxicological Effect:	Dangerous for acuatic life in high concentrations (spills).

Section 13. Disposal consideration

Disposal Methods (surplus)	Recycling and recovery of base oils when possible
Disposal (waste)	Only in specific prepared and controlled areas. Avoid releasing oils to sewers because they can destroy water treatment plant Microorganisms. Do not attempt to clean containers since residue is difficult to remove; dispose in a safe way.
Handling (waste)	Labeled and sealed containers. Avoid direct contact with waste oils.

Section 14. Transport information

Special Precautions	Stable at room temperature and during transport. Store in cool well ventilated areas.
Transport Information	Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
UN Number	Not regulated
Road (ADR)/ Rail (RID) /River (ADNR)	Not regulated
Airline (IATA-ACAO)	Not regulated
Marine (IMO-IMDG)	Not regulated
Special precautions for user	Not available

Section 15. Regulatory information

Regulatory Information	Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	Not Scheduled
Regulation	**CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):** This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.
CERCLA/SARA - Section 311/312 (Title III Hazard Categories)	**Acute Health:** No **Chronic Health:** No **Fire Hazard:** No **Pressure Hazard:** No **Reactive Hazard:** No
CERCLA/SARA - Section 313 and 40 CFR 372	This material does not contain any chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372
EPA (CERCLA) Reportable Quantity (in pounds)	This material does not contain any chemicals with CERCLA Reportable Quantities
California Proposition 65	This material does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65
Canadian	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the Regulations. WHMIS Hazard Class: None
National Chemical Inventories	All components are either listed on the US TSCA Inventory, or are not regulated under TSCA. All components are either on the DSL, or are exempt from DSL listing requirements
U.S. Export Control Classification Number	EAR99

Section 16. Other information

History:

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Guide to Abbreviations

CAS	Chemical Abstracts Service
ACGIH	American Conference of Governmental Industrial Hygienists
CASRN	Chemical Abstracts Service Registry Number
CEILING	Ceiling Limit (15 minutes)
CERCLA	The Comprehensive Environmental Response, Compensation, and Liability Act
EPA	Environmental Protection Agency
IARC	International Agency for Research on Cancer
LEL	Lower Explosive Limit
NE	Not Established
NFPA	National Fire Protection Association
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit (OSHA)
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit (15 minutes)
TLV	Threshold Limit Value (ACGIH)
TWA	Time Weighted Average (8 hours)
UEL	Upper Explosive Limit
WHMIS	Worker Hazardous Materials Information System (Canada)

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