MATERIAL SAFETY DATA SHEET

Hydraulic ISO 68

Issue Date: 13/02/2021

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hydraulic ISO 68
PRODUCT CODE: 402
PRODUCT USE: Hydraulic Oil

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS:
Hydrcarbons and Additives

INGREDIENT:	CAS NO.	% Proportion
Severely refine mineral oils	64742-54-7	> 60%
Complex mixture of additives	not available	< 10% - 30%

SECTION 3: HAZARDS IDENTIFICATION

CLASSIFICATION:

Classified as NOT HAZARDOUS according to criteria of Worksafe Australia
Classified as Hazardous according to HSNO Act New Zealand 6.4A a eye Irritant

HSNO Category:

Lubricants (Low Hazard) Group Standard 2006
HSNO Approval Number: HSR002605

SECTION 4: FIRST AID MEASURES

EYES: If contact occurs Flush thoroughly with water for 15minutes, holding eyelids open. If irritation develops and persists seek medical attention.

SKIN: Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation develops and persists seek medical attention.

INGESTION: If swallowed, do not induce vomiting. Immediately wash your mouth with water, Seek medical attention

INHALATION: Remove the affected person from the contaminated area to fresh air. If breathing difficulties persist seek medical attention, If not breathing start CPR and seek urgent medical attention

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use Water Fog, Foam, Dry Chemical or Carbon Dioxide (CO_2) to extinguish flames

PROTECTION OF FIRE FIGHTERS:

Specific Methods: Water or Foam may cause frothing. Use water to coal fire-exposed containers. Water-spray may be used to flush spills away from exposures. Prevent runoff from fire-control or dilution from entering waterways, sewages or drinking water supply.
Combustion Products: Highly dependent on combustion conditions. A complex mixture of Airborne Solids. Liquids and Gases including Carbon Monoxide, Cardon Dioxide and unidentified Organic Compounds will be evolved when this material under goes combustion. May emit poisonous fumes.
Special Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn to minimize exposure

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL MANAGEMENT: Eliminate all sources of ignition in the vicinity of the spilled material. Stop the leak if safe to do so. Contain and absorb with suitable absorbent material. Collect material and place into a suitably sealed and labeled container – Dispose of in the manner consistent with applicable regulations. Observe precautions in Exposure Controls/Personal Protection. Avoid breathing vapours and contact to the skin and eyes
NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities Local Environment, Health Officer, Area Water Authority and or Fire Brigade/Police

SECTION 7: HANDLING AND STORAGE

PRECAUTIONARY MEASURE: Keep out of the reach of children
GENERAL HANDLING: Avoid contamination of the soil or releasing this material into sewage and drainage systems and bodies of water
STOREAGE: Do not store in open or unlabeled containers. Store in a well ventilated place away from ignition sources, Strong Oxidizing Agents, Food Stuffs and Clothing. Keep closed when not in use or empty

OTHER PRECAUTIONS: Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill. Do not pressurize or expose to open flame or heat. Keep closed when not in use or empty. Dispose of in the correct manner

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use in a well ventilated area
VENTILATION: Natural ventilation should be sufficient**,** however where vapours or mists are generated the use of a local exhaust system is recommended.
RESPIRATORY PROTECTION: No respiratory protection is normally required. Where ventilation is inadequate and vapours and/or mists are generated the use of an approved respirator with organic vapour/particulate filter complying AS/NZ1715 and AS/NZS 1716 is recommended.
EYE PROTECTION: Avoid contact with eyes. Normal industrial eye protection practices should be employed
SKIN PROTECTION: No special protective clothing is required. Wear Gloves of impervious material if handling material for prolonged periods and chemical resistant Apron where clothing is likely to be contaminated is recommended. **WORK HYGIENIC PRACTICES:** Good Personal hygiene practices should be followed

EXPOSURE GUIDELINES:

Component	Country.Agency	TWA	STEL	Ceiling	Notation
Oil Mist	New Zealand	5mg/m3	10mg/m3	-	-

- Consult local authorities for the appropriate values

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Attention: The data below are typical values and do not constitute a specification

COLOUR: Amber
ODOUR: Mineral Oil Odour
ODOUR THRESHOLD: Not Establish
PHYSICAL STATE: Liquid
BOILING POINT: >220 ºC
SOLUBILITY: Insoluble
SPECIFIC GRAVITY: Typically 0.8650g/mL

VAPOUR PRESSURE: Expected to be <0.0005 kPa @ 20 ºC
VAPOUR DENSITY: >2.0
KINEMATIC VISCOSITY: Typically 68 cSt @ 40 ºC
FREEZING POINT: Not Establish
FLASH POINT: > 200 ºC
FLAMMABILITY: Not Establish

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions
CONDITIONS TO AVOID (STABILITY): Extreme Heat
INCOMPATIBILITY (MATERIAL TO AVOID): Strong Oxidizing agents
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Metal Oxides, Carbon Monoxide, Elemental Oxides **HAZARDOUS**
POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No toxicity data is available for this material. Data is available on the individual components show that no chronic health risks are expected during normal handling.
EYE: Not expected to cause prolonged or significant eye irritation. This material may emit ethylene diamine vapors which are irritating to the eyes. Symptoms may include pain, tearing, reddening, swelling and impaired vision.
SKIN: Prolonged contact may cause irritation of the Skin, which may result in redness and/or itchiness possibly leading to dermatitis
INGESTION: May cause irritation of Gastrointestinal system. Symptoms may include nausea, vomiting and diarrhoea
INHALATION: May cause irritation to the mucous membrane and upper airways when material is heated and used in poorly ventilated areas. Symptoms may include headaches, dizziness and nausea

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No ecological data is available for this material
ECOTOXICITY: This material is not expected to be harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.
MOBILITY: No data available
PERSISTENCE/DEGRADABILITY: This material is Biodegradable
This product has not been tested. The statement has been derived from the properties of the individual components
BIOACCUMULATION: No data is available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Recycle or dispose of in a manner consistent with applicable regulations. DO NOT pollute the soil, water or environment with the waste product.

SECTION 14: TRANSPORT INFORMATION

The description shown may not apply to all shipping situations Consult the Dangerous Goods Regulations for additional description requirements and mode-specific or quantity-specific shipping requirements

LAND TRANSPORT NEW ZEALND SHIPPING DESCRIPTION: Not regulated as dangerous goods for transportation under the New Zealand Land Transport Rule.

SECTION 15: REGULATORY INFORMATION

Non-hazardous
All individual components are registered on the New Zealand Inventory of Chemical Substances

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: This a new Material Safety Data Sheet
REVISON DATE: March 2022

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