

SAFETY DATA SHEET

DeLaval Hydraulic oil bio

Preparation Date: 03-Oct-2014
Revision Number: 1.2
Revision Date: 13-Sep-2024
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name DeLaval Hydraulic oil bio
Item#: FS3003
Recommended use Lubricant
Uses advised against Restricted to professional users

Supplier DeLaval Ltd,
82 Greenwood street,
Hamilton
New Zealand

Telephone Number (07) 849-6020
(8am - 4:30pm Mon-Fri)

Emergency Telephone Number 0800 764 766 (National Poison Centre)
0800 243 622 CHEMCALL

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture according to GHS

Not Hazardous.

2.2. Label Elements

Not Hazardous.

Hazard Statements EUH210 - Safety data sheet available on request

Precautionary statements P102 - Keep out of reach of children

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	1 - 10%

Notes

mineral oil < or = 0.1%
mineral oil < 3% DMSO extract (IP 346)

4. FIRST AID MEASURES

Workplace Facilities Eyewash bottle with clean water

General Advice	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes If eye irritation persists, get medical advice/attention
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse Get medical attention if symptoms occur
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing If symptoms persist, call a physician If breathing is difficult, give oxygen If not breathing, give artificial respiration If unconscious place recovery position
Ingestion	Rinse mouth with water. Move person to fresh air. Drink 1 or 2 glasses of water. Do not induce vomiting. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Protection of First-aiders	Any action only if without personal risk.

5. FIRE-FIGHTING MEASURES

Hazchem Code	No Hazchem Code allocated
Flammable Properties	No information available.
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Foam. Water spray. Water fog.
Unsuitable Extinguishing Media	No information available.
Specific hazards arising from the chemical	Carbon monoxide. Carbon dioxide (CO ₂). Heating of containers may cause pressure rise, with risk of bursting.
Protective Equipment and Precautions for Firefighters	Evacuate personnel to safe areas. Any action only if without personal risk. In the event of fire, wear self contained breathing apparatus. (EN 469). Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Any action only if without personal risk. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid inhalation of vapors and mist. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use personal protective equipment.
Environmental Precautions	Avoid dispersal of spilt material into waterways, drains, and sewers. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Do not eat, drink or smoke when using this product.
Storage	Store in accordance with local regulations. Store in original container. Keep away from direct sunlight. Store in cool/well-ventilated place. Keep away from food, drink, and animal feedstuffs. Keep container tightly closed. Store in upright position only. Keep in properly labelled containers. Prevent release to the environment.
Type of Container/Package	Store in original container

Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	None under normal use. Ensure adequate ventilation, especially in confined areas. Eyewash bottle with clean water.
Personal Protective Equipment	
Eye/face Protection	Safety glasses with side-shields.
Skin Protection	Long sleeved clothing
Hand Protection	Impervious gloves (EN 374) Break through time < 1 h nitrile rubber Glove thickness 0.17 mm
Respiratory Protection	None under normal use. Ensure adequate ventilation. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Type Boiling point > 65 °C: A1; Boiling point < 65 °C: AX1; Hot material: A1P2.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Keep working clothes separately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light yellow Clear
Physical state	Liquid
Odor	Characteristic
pH	Not applicable
Vapor Pressure	< 0.1 kPa (<0.75006 mm Hg)
Vapor Density	No data available
Flash Point	> 392 °F / >200 °C [ASTM D92] (open cup)
Autoignition Temperature	> 752 °F / > 400 °C
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Boiling Point/Range	> 392 °F / > 200 °C
Freezing Point/Range	No data available

Melting Point/Range	Not applicable
Water Solubility	Insoluble
Solubility	No information available
Solubility in other solvents	No data available
Specific Gravity	No data available
Kinematic viscosity	40°C (104°F): 46 mm ² /s (46 cSt) [ASTM D 445] 100°C (212°F): 9.5 mm ² /s (9.5 cSt) [ASTM D 445]
Pour Point	<-27°C (<-16.6°F) [ASTM D 97]
VOC Content	Exempt

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Keep away from children.
Incompatible Materials	strong oxidizing agents
Hazardous decomposition products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	
Inhalation	No information available.
Eye contact	No information available.
Skin contact	No information available.
Ingestion	No information available.

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	

Irritation	Prolonged skin contact may cause skin irritation Prolonged skin contact may defat the skin and produce dermatitis
Corrosivity	No information available.
Sensitization	No information available.
Mutagenic effects	No information available.
Carcinogenicity	There are no known carcinogenic chemicals in this product.
Reproductive Effects	No information available.
Developmental Effects	No information available.
STOT - single exposure	No information available
STOT - repeated exposure	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene		100: 96 h Danio rerio mg/L LC50 static		

Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

Hazchem Code No Hazchem Code allocated

15. REGULATORY INFORMATION

ERMA Reference ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001

16. OTHER INFORMATION

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9031 Gent
Belgium

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Date of Next Revision: 12-Sep-2029

References

- Hazardous Substances (Hazardous Classification) Notice 2020
- Hazardous substances (Labelling) Notice 2017
- Hazardous Substances (Safety Data Sheets) Notice 2017
- GHS8
- European Agreement concerning the International Carriage of Dangerous Goods by Road
- New Zealand Workplace Exposure Standards (WES)
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans
- Chemical Classification and Information Database (CCID)

Disclaimer

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End of SDS