

Safety Data Sheet

ADDINOL Hydraulic Oil HL 46

Revision date: 20.05.2021

Product code: 733008

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General information

Self-protection of the first aider. Do not put any product-impregnated cleaning rags into your trouser pockets.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After ingestion

Do NOT induce vomiting.

Rinse mouth thoroughly with water. Call a physician immediately.

Most important symptoms and effects, whether acute or delayed

No information available.

Indication of immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

5. Fire-fighting measures

Extinguishing media

Specific hazards arising from the hazardous product

In case of fire may be liberated: Carbon monoxide carbon black.

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray/stream to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Do not allow to enter into surface water or drains.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures

Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Prevent spread over a wide area (e.g. by containment or oil barriers).

Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

Reference to other sections

Refer to the provisions listed in Sections 8, 12 and 13.

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Work in well-ventilated zones or use proper respiratory protection. If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Provide adequate ventilation.

Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep container tightly closed in a cool place.

Hints on joint storage

Keep away from:

Further information on storage conditions

Protect against:
5 - 40°C

8. Exposure controls/Personal protection

Control parameters

Additional advice on limit values

Recommended limit value for oil mist
TWA: 5
STEL: 10

The product does not contain any relevant quantities of substances with legally established exposure limitation.

Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Protective and hygiene measures

Wash hands before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use.

Eye/face protection

DIN EN 166

Hand protection

EN ISO 374

480 min

Suitable material:

0.7 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material:

0.4 mm

Skin protection

Wear suitable protective clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection with filter against organic gases and vapors type A - boiling point > 65 ° C: A1: <1000 ppm; A2: <5000 ppm; A3: <10,000 ppm.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:

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Colour:	-	
		Test method
pH-Value:	No data available	
Changes in the physical state		
Melting point:	No data available	
Boiling point or initial boiling point and boiling range:	not determined	
Pour point:	-30 °C	ASTM D 7346
Flash point:	240 °C	DIN EN ISO 2592
Flammability		
Solid/liquid:	No data available	
Gas:	No data available	
Explosive properties		
No data available		
Lower explosive limits:	No data available	
Upper explosive limits:	No data available	
Auto-ignition temperature:	not determined	
Self-ignition temperature		
Solid:	No data available	
Gas:	No data available	
Decomposition temperature:	No data available	
Oxidizing properties		
No data available		
Vapour pressure:	No data available	
Density (at 15 °C):	0,860 g/cm ³	DIN 51757
Solubility in other solvents		
No data available		
Partition coefficient n-octanol/water:	No data available	
Viscosity / kinematic: (at 40 °C)	46 mm ² /s	ASTM D 7042
Relative vapour density:	No data available	
Evaporation rate:	No data available	

Other information

No data available

10. Stability and reactivity**Reactivity**

This material is considered to be non-reactive under normal use conditions.

Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

Do not overheat to avoid decomposition by heat.

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Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide carbon black.

11. Toxicological information**Information on toxicological effects****Acute toxicity**

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

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified				
	oral	LD50 mg/kg > 5000	Rat	Study report (1982)	OECD Guideline 401
	dermal	LD50 mg/kg > 5000	Rabbit	Study report (1982)	OECD Guideline 402

Irritation and corrosivityBased on available data, the classification criteria are not met.
non-irritant.**Sensitizing effects**

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

Specific effects in experiment on an animal

No data available

Information on other hazards**Endocrine disrupting properties**

not applicable

12. Ecological information**Ecotoxicity**

No data available

Persistence and degradability

Do not allow to enter into surface water or drains.

Bioaccumulative potential

No data available

Endocrine disrupting properties

not applicable

Other adverse effects

No data available

13. Disposal considerations**Waste treatment methods**

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Disposal recommendations

Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Dispose of waste according to applicable legislation.

14. Transport information

Marine transport (IMDG)

UN number: -

United Nations proper shipping name: -

Transport hazard class(es): -

Packing group: -

Air transport (ICAO-TI/IATA-DGR)

UN number: -

United Nations proper shipping name: -

Transport hazard class(es): -

Packing group: -

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Other applicable information

No dangerous good in sense of these transport regulations.

15. Regulatory information

Canadian regulations

16. Other information

Changes

This data sheet contains changes from the previous version in section(s): 3,4,5,7,11,12,16.

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Relevant H statements (number and full text)

H304 May be fatal if swallowed and enters airways.
 EUH210 Safety data sheet available on request.

Further Information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

These given data only refer to the named product. If the product is used together with other materials or in manufacturing processes the data might not be applicable any more. The data are based on today's state of our knowledge and experience. They are, however, no guarantee of any specific product properties and do not establish any legally valid contractual relationship. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not

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necessarily valid for the new made-up material.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)