



VISCOSITY Tutela Hydraulic Fluid 46HV Zinc Free

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Hazardous Products Regulations (SOR/2015-17) / Règlement sur les produits dangereux (DORS/2015-17)
Issue date: 3/1/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Name : VISCOSITY Tutela Hydraulic Fluid 46HV Zinc Free

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Lubricant
Restrictions on use : No additional information available

1.3. Supplier

Supplier

Viscosity Oil Company
600 H Joliet Road
Willowbrook, IL, 60527
T 630-850-4000 - F 630-850-4022

Importer

Viscosity Oil Company
1918 Boul.Saint-Regis
Dorval, QC, H9P 1H6
Canada

1.4. Emergency telephone number

Emergency number : (800) 424-9300
CHEMTREC (24 HOURS)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO extractables <3% (IP346))	CAS-No.: 64742-54-7	65 - 95	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%)	CAS-No.: 64742-55-8	1 - 5	Asp. Tox. 1, H304

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
First-aid measures after eye contact	: In case of contact, immediately flush eyes with plenty of water.
First-aid measures after ingestion	: Do NOT induce vomiting. Get medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Inhalation of vapors may cause respiratory irritation.
Symptoms/effects after skin contact	: Repeated or prolonged contact may cause skin irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water fog. Foam. Carbon dioxide. Dry powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: Burning produces irritating, toxic and noxious fumes.
Explosion hazard	: Product is not explosive.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Wear a self contained breathing apparatus. Wear fire/flamm resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid all eye and skin contact and do not breathe vapor and mist.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable gloves.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Wear suitable gloves.
Emergency procedures	: Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Do not allow minor leaks or spills to accumulate on walking surfaces. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Absorb and/or contain spill with inert material, then place in suitable container.

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6.4. Reference to other sections

Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapor and mist.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.
Incompatible products : Strong oxidizers.
Incompatible materials : Heat sources.
Heat-ignition : Keep away from heat, sparks and flame.
Storage area : Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

VISCOSITY Zinc Free 46HV	
No additional information available	
Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m ³)	5 mg/m ³
ACGIH STEL (mg/m ³)	10 mg/m ³
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO extractables <3% (IP346)) (64742-54-7)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m ³)	5 mg/m ³
ACGIH STEL (mg/m ³)	10 mg/m ³

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Prevent leakage or spillage. Prevent contaminated water run-off.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:
Wear suitable gloves
Eye protection:
In case of splashing or aerosol production: protective goggles.
Respiratory protection:
In case of inadequate ventilation wear respiratory protection. NIOSH. Approved respirator

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Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: No data available
Odor	: petroleum
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 229 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 0.862 @15.6 °C
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 48.5 mm ² /s @40 °C (8.5 cSt @100 °C)
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

Additional information : Pour Point : -54 °C.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and noxious fumes. hydrocarbons. Carbon oxides (CO, CO₂). Nitrogen oxides. Phosphorus oxides. Sulfur oxides.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)	
LD50 Oral rat	> 5000 mg/kg body weight
LD50 Dermal rabbit	> 2000 mg/kg body weight
LC50 Inhalation rat	> 10.5 mg/l/4h

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO extractables <3% (IP346)) (64742-54-7)	
LD50 Oral rat	> 15000 mg/kg Source: IUCLID
LD50 Dermal rabbit	> 5000 mg/kg Source: IUCLID
LC50 Inhalation rat	> 5.53 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : 48.5 mm²/s @40 °C (8.5 cSt @100 °C)
Likely routes of exposure : Inhalation. Skin and eye contact.
Symptoms/effects after inhalation : Inhalation of vapors may cause respiratory irritation.
Symptoms/effects after skin contact : Repeated or prolonged contact may cause skin irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)	
LC50 fish 1	> 100 mg/l

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO extractables <3% (IP346)) (64742-54-7)	
LC50 fish 1	> 5000 mg/l
EC50 crustacea	> 1000 mg/l Source: IUCLID

12.2. Persistence and degradability

VISCOSITY Zinc Free 46HV	
Persistence and degradability	Not established.
Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)	
Persistence and degradability	Not readily biodegradable.

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12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO extractables <3% (IP346)) (64742-54-7)

Log Pow	3.9 – 6 Source: IUCLID
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Sewage disposal recommendations	: Do not dispose of waste into sewer.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not applicable

TDG
Transport hazard class(es) (TDG) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

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14.6. Special precautions for user

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%)	64742-55-8	Present	Active	
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO extractables <3% (IP346))	64742-54-7	Present	Active	

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Methyl methacrylate	CAS-No. 80-62-6	0.009 – 0.085%
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15.2. International regulations

CANADA

Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)
Listed on the Canadian DSL (Domestic Substances List)

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO extractables <3% (IP346)) (64742-54-7)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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National regulations

Distillates (petroleum), hydrotreated light paraffinic (DMSO <3%) (64742-55-8)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on Taiwan National Chemical Inventory
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO extractables <3% (IP346)) (64742-54-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations



WARNING:

This product can expose you to Ethylbenzene, which is known to the State of California to cause cancer, and Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

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Full text of H-phrases

H304	May be fatal if swallowed and enters airways
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Indication of changes:

Original document.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.