



SAFETY DATA SHEET

HD SYN DRIVE Full Synthetic Automatic Transmission Fluid

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : HD SYN DRIVE Full Synthetic Automatic Transmission Fluid

1.2. Recommended use and restrictions on use

Recommended use : Lubricant, For professional use only

1.3. Supplier

KLONDIKE Lubricants Ltd.

Address

A330, 20161 86th Avenue
Langley, BC V2Y 2C1

1.4. Emergency telephone number

Emergency number : International Number +1-703-527-3887 CHEMTREC (Collect calls accepted)
North America Number +1-800-424-9300 CHEMTREC

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

No labelling applicable

2.3. Other hazards

Handling this product may result in electrostatic accumulation. Use proper grounding procedures.

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Distillates, petroleum, hydrotreated light paraffinic	Distillates, petroleum, hydrotreated light paraffinic/ Lube base oil / Distillates (petroleum), hydrotreated light paraffinic	CAS-No.: 64742-55-8	30 - 60	Not classified
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	Distillates (petroleum), hydrotreated heavy paraffinic / Petroleum distillates, hydrotreated heavy paraffinic / Heavy paraffinic hydrotreated distillate / Distillates, petroleum, hydrotreated heavy paraffinic / HYDROGENATED MINERAL OIL / Hydrogenated mineral oil / Paraffin oil	CAS-No.: 64742-54-7	30 - 60	Asp. Tox. 1, H304
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified	Oils, lubricating (petroleum) C20-50, hydrotreated neutral oil-based / Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based / Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based / Lubricating oils, petroleum, C20-50, hydrotreated neutral oil based	CAS-No.: 72623-87-1	1 – 5	Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304
Tolyl triazole	1H-Benzotriazole, 4(or 5)-methyl- / 1H-Benzotriazole, methyl- / Methyl-1H-benzotriazole / Tolyltriazole / 1H-Benzotriazole, 4 (or 5)-methyl- / 1H-Benzotriazole, 6(or 7)-methyl- / Tolyltriazole / 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt / 6(or 7)-Methyl-1H-benzotriazole / tolyltriazole	CAS-No.: 29385-43-1	< 0.1	Acute Tox. 4 (Oral), H302 Repr. 2, H361

Comments : *The actual concentration range is withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Allow affected person to breathe fresh air. Seek medical attention if ill effect or irritation develops.

First-aid measures after skin contact : Wash with water and soap as a precaution. Seek medical attention if irritation develops. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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

Symptoms/effects : No adverse effects expected.

4.3. Immediate medical attention and special treatment, if necessary

Note to physician : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

5.3. Specific hazards arising from the hazardous product

Fire hazard : Presents no particular fire or explosion hazard. On combustion, forms: carbon oxides (CO and CO₂). Nitrogen oxides. Phosphorus oxides. Hydrocarbons.
Explosion hazard : No hazard identified.
Hazardous decomposition products in case of fire : Thermal decomposition can lead to the release of irritating gases and vapours.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No special requirements.
Personal Precautions, Protective Equipment and Emergency Procedures : No special protection required. No additional risk management measures required.
Prevention Measures for Secondary Accidents : Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Collect spillage. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Other information : Dispose in a safe manner in accordance with local/national regulations.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure adequate ventilation. Avoid the build-up of electrostatic charge.
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. 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 : Store in a well-ventilated place. Keep cool. Keep container closed when not in use.
Incompatible materials : None known.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure adequate ventilation.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

No special protection required.

Hand protection:

No special protection required. In case of repeated or prolonged exposure : Wear suitable gloves resistant to chemical penetration. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

Eye protection:

No special protection required. If there is a risk of liquid being splashed : Chemical goggles or safety glasses

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Transparent.
Colour	: Red
Odour	: Light odour of petroleum
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 290 °C
Flash point	: 210 °C (COC, ASTM D 92)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: ≤ 0.1 kPa (20 °C; 68°F)
Relative vapour density at 20 °C	: ≥ 5
Relative density	: No data available
Density	: 0.851
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 34 mm ² /s (40 °C; 104°F)
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: The product is stable at normal handling and storage conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid the build-up of electrostatic charge. Heat sources. Direct sunlight. Extremely high or low temperatures.
Incompatible materials	: None known.
Hazardous decomposition products	: No hazardous decomposition products known at room temperature. Thermal decomposition may produce : Carbon oxides (CO, CO ₂). Nitrogen oxides. Phosphorus oxides. Hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Tolyl triazole (29385-43-1)	
LD50 oral rat	675 mg/kg
LD50 dermal rabbit	> 4000 mg/kg
LC50 Inhalation - Rat	> 1.73 mg/l (Exposure time: 1 h)

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified (64742-54-7)	
LD50 oral rat	> 15 g/kg
LD50 dermal rabbit	> 5000 mg/kg

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)	
LC50 Inhalation - Rat	3900 mg/m ³ (Exposure time: 4 h)

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (72623-87-1)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	2.18 mg/l/4h

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met) The classification as a carcinogen need not apply because the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SK HD 668 Fully Synthetic Automatic Transmission Fluid	
Viscosity, kinematic	34 mm ² /s (40 °C; 104°F)

Symptoms/effects	: No adverse effects expected.
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Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified (64742-54-7)

LC50 - Fish [1]	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)

LC50 - Fish [1]	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (72623-87-1)

LC50 - Fish [1]	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

Tolyl triazole (29385-43-1)

Persistence and degradability	Not biodegradable.
Biodegradation	4 % after 28 days (OECD guideline 301F - ECHA disseminated data)

12.3. Bioaccumulative potential

Tolyl triazole (29385-43-1)

Partition coefficient n-octanol/water (Log Pow)	(1.079 - <=1.083 - at 25 °C (at pH 7-<=8)
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Additional information : Dispose of empty containers and wastes safely.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

SECTION 15: Regulatory information

15.1. National regulations

No additional information available

15.2. International regulations

No additional information available

SECTION 16: Other information

Issue date : 01 March 2023

Other information : None.

Safety Data Sheet (SDS), Canada

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.