

SAFETY DATA SHEET

ALPHA'S HYDRO EP46

1. Chemical Product and Company Identification

ProductName	ALPHA'S HYDRO EP46
Material Code	7065
Date of creation	01-Jun-16
Date of revision	03-Aug-21
Details of the supplier of the safety datasheet	
Company	ALPHA'S CO., LTD.
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Name of Section	Quality Control Dept.
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Product Use	Hydraulic Fluid

2. Hazards identification

[GHS LABEL ELEMENTS]

PHYSICO-CHEMICAL HAZARDS	No applicable GHS classification data.
HEALTH HAZARDS	No applicable GHS classification data.
ENVIRONMENTAL HAZARDS	No applicable GHS classification data.

[GHS LABEL ELEMENTS]

Pictogram	:	None
Signal Word	:	None
Hazard Statement	:	None
Precautionary Statement	:	None

Other notes : Even if there is no description in the precautionary statement based on GHS classification, sufficient consideration should be given to Safety measures / First aid measures / Storage / Disposal by referring to the information in the following chapters.

3. Composition/information on ingredients

Substance or Preparation : Mixture

Component	Content(%)
Mineral Oil	90-100
Additives	5-10
2,6-Di-tert-butyl-4-cresol	0.1 - 0.9

4. First aid measures

Inhalation	: If inhalation of mists, fumes or vapor causes irritation to the nose or throat, or coughing, remove to fresh air comfortable for breathing. : If symptoms persist obtain medical advice
Skin contact	: Wash skin thoroughly with soap and water as soon as reasonably practicable. : If skin irritation occurs obtain medical advice.
Eye contact	: Wash eye thoroughly with clean water. : Obtain medical advice if any pain or redness develops or persists.
Ingestion	: If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting;

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obtain medical advice.

Most important symptoms and effects, both acute and delayed

: See Section 11 for more detailed information on health effects and symptoms.

Necessary precautions for protection of person performing first aid measures

: No information

Special precautions for doctors

: No information

5. Fire fighting measures

Extinguish media : Use foam, dry powder or water fog, carbon dioxide.

Extinguishing media that do not use it

: Do not use water jets.

Specific hazards arising from the substance or mixture

: Toxic fumes may be evolved on burning or exposure to heat. See Section 10 for information on stability and reactivity.

Fire Fighting

: Eliminate all ignition sources if safe to do so.

: Water the surrounding equipment to cool them down.

: Cordon off the affected place and its vicinity to all, except the concerned parties.

Specific protective equipment for firefighters

: Keep up wind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

6. Accidental release measures

Personal precautions, protective equipment and emergency

: Use appropriate Personal Protective Equipment (PPE).

: Evacuate all non essential personnel from the immediate area.

Environmental precautions : Prevent leakage into sewer, rivers and etc., and take measures to prevent environmental pollution.

Methods and material for containment and cleaning up

: Absorb and recover by use of sand or other suitable inert absorbent material.

: In a large leakage, enclose it with sand bank and stop outflow, and recover spilled material into containers.

: In event of spillage in the sea, extend oil fences to prevent diffusion, and sop up with absorbent materials.

: In event of using chemicals and/or detergents, they must satisfy the technical standards as set by the Ministry of Land, Infrastructure and Transport.

Prevention measure of secondary disaster

: In the case of large spills contact the appropriate authorities.

: Promptly remove ignition sources nearby.

7. Handling and storage

Handling

Technical measures : Follow the regulations of the Fire Service Act.

: Keep away from flame or high temperature, and avoid, whenever possible, a generation of vapor.

: Take measures against static discharge. Ensure to wear clothing and shoes made of conductive materials.

: Never suck up (siphoning) this material by mouth.

: Wear personal protective equipment if there exists a chance of getting contact with skin or enter into eye.

: Do not breathe dust, vapor, spray.

Precautions : No information available

Precautions for safe handling

: Perform local exhaust and general ventilation as described in "8. Exposure controls/personal protection".

Avoid contact : Avoid contact with halogens, strong acids, alkali and oxidizing materials.

Hygiene measures : Whilst using do not eat, drink or smoke.

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: Wash hands thoroughly after contact.

Storage

- Storage conditions : Store in a cool and well-ventilated place away from direct sunlight.
: Keep container tightly closed
: Avoid heat, sparks, open flame and static accumulation.
: Label and display as hazardous material and store.

Safe container packaging materials

- : Do not pressurize empty containers. May cause rupture.
: Do not weld, heat up, drill or cut containers. May ignite the residue and cause explosion.

8. Exposure controls / Personal protection

Control parameters

Chemical Name	Administrative levels	Japanese Society of Occupational Health	ACGIH
Mineral Oil	-	3mg/m ³	TWA: 5mg/m ³
Additive	-	-	-

- Equipment : Install the appropriate general ventilation equipment, local exhaust ventilation in the workplace.
: Install eye shower and body shower near the work site.

Personal protection

- Respiratory protection : Use respiratory equipment appropriately in response to the circumstances.
Hand protection : Use oil-proof protective hand gloves appropriately in response to the circumstances.
Eye protection : Use safety glasses with side protection appropriately in response to the circumstances.
Skin protection : Use protective clothing appropriately in response to the circumstances.
Special precautions : No information

9. Physical and chemical properties

- Physical state : Liquid
Color : Light brown
Odor : Slight odor
Melting point : -30 °C (Pour Point)
Boiling point/Boiling range : No information available
Flammability : No information available
Range of explosion (lower bound - upper bound) : 1-7 vol (estimated)
Flash point : 238 °C (COC)
Autogenous ignition point : No information available
Decomposition temperature : No information available
pH : No information available
Kinematic viscosity : 47.08 mm²/s (40°C)
Solubility : Insoluble in water
Water partition coefficient : No information available
Vapor pressure : No information available
Density/Specific gravity : 0.87 g/cm³ (15°C)
Vapor density : No information available
Particle characteristics : No information available

10. Stability and reactivity

- Reactivity : Stable under normal conditions of use and unlikely to react.
Chemical stability : Stable under normal storage conditions.
Possibility of hazardous reactions : No hazardous reaction known under conditions of normal use.
Conditions to avoid : Heat. Incompatible materials.
Incompatible materials : Halogens, strong acids, alkalies and oxidizing agents.

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Hazardous decomposition products : Incomplete combustion/ thermal decomposition will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide.

11. Toxicological information

The hazard classification of products was classified based on the classification criteria of the mixture.

Acute toxicity (oral)

Mineral Oil : Not classified LD50 > 5000mg/kg (Rat)

Acute toxicity (dermal)

Mineral Oil : Not classified LD50 > 5000mg/kg (Rat)

Acute toxicity (inhalation: gases)

Mineral Oil : Exempt classification

Acute toxicity (inhalation: vapors)

Mineral Oil : Exempt classification

Acute toxicity (inhalation: dusts and mists)

Mineral Oil : Not classified LC50 > 5mg/L (Rat 4h)

Skin corrosion/Skin irritation

Mineral Oil : Not classified Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis.

Serious eye damage/Eye irritation

Mineral Oil : Not classified Not expected to cause eye irritation. Based on data from components or similar materials.

Respiratory sensitizer

Mineral Oil : Classification not possible

Skin sensitizer

Mineral Oil : Not classified No data available to indicate product or components may be a skin sensitizer.

Germ cell mutagenicity

Mineral Oil : Not classified No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

Mineral Oil : Not classified The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex 1. The producer of "Lubricating oils" declares that it contains less than 3% DMSO extractable material by IP 349.

Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and a high standard of personal hygiene maintained.

Toxic to reproduction/Effects on or via lactation

Mineral Oil : Not classified/Not classified No data available to indicate either product or components at greater than 0.1% that may cause reproductive toxicity.

Specific target organ toxicity(single exposure)

Mineral Oil : Not classified No data available to indicate product or components present at greater than 0.1% that may cause STOT by single exposure.

Specific target organ toxicity(repeated exposure)

Mineral Oil : Not classified No data available to indicate product or components present at greater than 0.1% that may cause STOT repeated exposure.

Aspiration hazard

Mineral Oil : Not classified

12. Ecological information

The hazard classification of products was classified based on the classification criteria of the mixture.

Hazard to the aquatic environment (acute)

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Mineral Oil	: Not classified
Hazard to the aquatic environment (chronic)	
Mineral Oil	: Not classified
Hazardous to the ozone layer	
Mineral Oil	: Classification not possible
Toxicity to fish	: Fathead minnow 96h LL50 > 100 mg/L Fathead minnow 14d NOEL > 100 mg/L (Mineral oil)
Toxicity to invertebrate	: Crustacea (Daphnia magna) 48h EL50/NOEL > 10,000mg/L Crustacea (Daphnia magna) 21d NOEL > 11mg/L (Mineral oil)
Toxicity for algae	: Selenastrum NOEL > 100 mg/L (Mineral oil)
Persistence and degradability	: This product is not expected to be readily biodegradable. (Mineral oil)
Bioaccumulative potential	: No information available
Mobility in soil	: Oil spilled on the surface may be adsorbed to the soil and is unlikely to spill into groundwater. (Mineral oil)

13. Disposal considerations

Rest waste	: Dispose of via an authorized person/ licensed waste disposal contractor in accordance with local regulations. : Be discarded in accordance with the standards of the local government and relevant legislation. : Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.
A pollution container, packing	: When disposing of empty containers, after the contents have been completely removed, and the mixture is processed in accordance with the standards of the local government as well as the related related laws and regulations and waste disposal method.

14. Transport information

UN Number	: No information available
Proper Shipping name	: No information available
Class	: No information available
Packing Group	: No information available
Special safety measures for transport or means of transport	: Transport the container without significant friction or agitation. : Fire is strictly prohibited because of flammable liquid. : A sign shall be displayed on the vehicle as specified by an Ordinance of the Ministry of Internal Affairs and Communications, and provide with fire fighting equipment, if and when required to transport more than the designated quantity for the vehicle. Total piled height of vehicle shall be less than 5 meters for land transportation. : Consolidation of this material with hazardous goods belonging to the Category I and VI is prohibited. : Comply with applicable laws and regulations.
Domestic restriction	
Land	: Follow the transportation method specified by Fire Service Act and Industrial Safety and Health Law.
Sea	: Follow the transportation method specified by Ship Safety Law.
Air	: Follow the transportation method specified by Civil Aeronautics Law.

15. Regulatory information

Fire Service Act	: Category IV Flammable liquids
Pollutant Release and Transfer Register (PRTR)	: Not Regulated
Industrial Safety and Health Law	: Regulated
Poisonous and Deleterious Substances Control Law	: Not Regulated

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Water Pollution Control Law	:	Regulated
Sewage Control Law	:	Regulated

16. Other information

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified below. We have reviewed any information contained herein which we received from sources outside ALPHA'S CO., LTD. However, no warranty or representation, express or implied is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization given or implied to practice any patented invention without a valid license.

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