

Beiblatt zum Sicherheitsdatenblatt / Supplement to the safety data sheet

Abschnitt 1 / Section 1

1.1 Produktidentifikation / Product identification

s. Original-Datenblatt / see original safety data sheet

1.2 Verwendungen des Stoffs / Uses of the substance

s. Original-Datenblatt / see original safety data sheet











1.3 Einzelheiten zum Lieferanten / Details of the supplier

Firmenname / *Supplier*
 Straße / *Street*
 Ort / *City*
 Tel. / *Phone*
 E-Mail / *E-Mail*

Stürmer Maschinen GmbH,
 Dr.-Robert-Pfleger-Str. 26,
 D-96103 Hallstadt
 +49 (0)951 96555 - 0 (07:00 - 17:00 Uhr / 07:00 am - 05:00 pm)
 info@stuermer-maschinen.de

1.4 Notrufnummer / Emergency Telephone

Wählen Sie die passende Notrufnummer anhand des GHS-Symbols auf Ihrem Gefahrgut oder entsprechend Abschnitt 2.2 des orig. Sicherheitsdatenblattes *.
 Call the appropriate emergency number using the GHS symbol on your dangerous goods or according to section 2.2 of the original safety data sheet *.

| GHS Gefahren-piktogramm / GHS symbol | GHS-Kürzel/ GHS-no. | Mögliche Signalwörter/ Warning | Gefährdungsklassen / Description of hazards | Notrufnummer */ Emergency Phone * |
|---|---------------------|--|---|---|
|  | GHS01 bis GHS09 | | | +49 (0)951 96555 - 590 Sammelnotrufnummer Gefahrstoffe |
|  | GHS01 | Gefahr oder Achtung / Danger or Attention | Explosive Stoffe/Gemische und Erzeugnisse mit Explosivstoff, selbstzersetzliche Stoffe/Gemische, organische Peroxide / Explosive substances / mixtures and products containing explosives, self-reactive substances / mixtures, organic peroxides | - 591 |
|  | GHS02 | Gefahr oder Achtung / Danger or Attention | Selbstzersetzliche Stoffe/Gemische, organische Peroxide, entzündbare Gase, Aerosole Flüssigkeiten, Feststoffe, selbsterhitzungsfähige Gemische, pyrophore Flüssigkeiten und Feststoffe, Stoffe/Gemische, die bei Berührung mit Wasser entzündbare Gase bilden / Self-reactive substances / mixtures, organic peroxides, flammable gases, aerosols, liquids, solids, self-heating mixtures, pyrophoric liquids and solids, substances / mixtures which form flammable gases on contact with water | - 592 |
|  | GHS03 | Gefahr oder Achtung / Danger or Attention | Oxidierende Gase, Flüssigkeiten, Feststoffe / Oxidizing gases, liquids, solids | - 593 |
|  | GHS04 | Achtung / Attention | Verdichtete, verflüssigte, gelöste und tiefgekühlt verflüssigte Gase / Compressed, liquefied, dissolved and refrigerated liquefied gases | - 594 |
|  | GHS05 | Gefahr oder Achtung / Danger or Attention | Verätzung der Haut, schwere Augenschäden, auch metallkorrosive Eigenschaften / Chemical burns to the skin, severe eye damage, also metal-corrosive properties | - 595 |
|  | GHS06 | Gefahr / Danger | Äußerst schwere und schwere akute Gesundheitsschäden oder Tod / Extremely severe and severe acute damage to health or death | - 596 |
|  | GHS07 | Achtung / Attention | Akute Gesundheitsschäden, Reizung der Haut, der Augen und der Atemwege, Sensibilisierung der Haut, narkotisierende Wirkungen / Acute damage to health, irritation of the skin, eyes and the respiratory tract, sensitization of the skin, narcotic effects | - 597 |
|  | GHS08 | Gefahr oder Achtung / Danger or Attention | Chronische Gesundheitsschäden (Organschädigungen) bei einmaliger oder mehrmaliger Exposition, krebserzeugende, erbgutverändernde und fortpflanzungsgefährdende Wirkungen, Lungenschäden durch Eindringen von Substanzen in die Lunge (Aspirationsgefahr), Sensibilisierung der Atemwege / Chronic damage to health (damage to organs) after single or multiple exposure, carcinogenic, mutagenic and reproductive effects, lung damage due to the penetration of substances into the lungs (risk of aspiration), sensitization of the respiratory tract | - 598 |
|  | GHS09 | Achtung oder ohne Signalwort/ Attention or without wording | Giftig für Wasserorganismen mit kurz- und langfristiger Wirkung / Toxic to aquatic organisms with short and long-term effects | - 599 |

* 07:00 - 17:00 Uhr, außerhalb dieses Zeitraums kann die Nummer auf dem Sicherheitsdatenblatt angerufen werden / 07:00 am - 05:00 pm, outside this time, the number on the safety data sheet can be called

Für alle anderen Informationen siehe Original-Sicherheitsdatenblatt / For all other information, see the original safety data sheet

Material Safety Data Sheet HV Anti-wear Hydraulic Oil

Reference No. SDS-160226

Effective Date: Feb. 25th, 2022

1. PRODUCT NAME AND COMPANY IDENTITY

Product Name: Hv Anti-wear Hydraulic Oil

Usage: hydraulic system

Company: Zibo Lute Lubricating Oil Co., Ltd.

Address: Bei'an Village, Mengshui Town, Zhoucun District, Zibo City, Shandong Province, China

Tel: 86 - (0) -533-6889183 Fax: 86 - (0) -533-6889183

2. HAZARD IDENTIFICATION

This product is not classified as dangerous products.

Health Hazards: Not expected to be a health hazard when used under normal conditions.

* Inhalation: Under normal condition of use, this is not expected to be a primary route of exposure.

* Skin Contact: Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

* Eye Contact: May cause slight irritation to eyes.

* Ingestion: Low toxicity if swallowed.

* Other Information: Used oil may contain harmful impurities.

Environmental Hazards: Not classified as dangerous for the environment.

Additional Information: Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Water Hazard Class:

Class 1: slightly hazardous to water.

3. COMPOSITION / INGREDIENTS INFORMATION

Ingredients: highly refined mineral oils and additives.

The highly refined mineral oil contains <3%(w/w) DMSO-extract, according to IP346.

4. FIRST AID MEASURES

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Inhalation: No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

Skin Contact: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If symptoms persist, obtain medical advice.

Eye Contact: Immediately flush with clean water for several minutes. If symptoms persist, obtain medical advice.

Swallow: Medical treatment as soon as possible. Do not deliberately vomit.

Advice to Physician: Treat symptomatically.

5: FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

Flash point: > 140°C (Cleveland Open Cup)

Flammability or Explosion limits Auto ignition temperature: > 320°C

Specific Hazards: Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke), carbon monoxide, unidentified organic and inorganic compounds.

Suitable Extinguishing Media: Carbon dioxide, powder, foam or water vapor.

Unsuitable Extinguishing Media: Do not spray with water.

Special Protection instruments: Built-in breathing masks

6: LEAKAGE EMERGENCY TREATMENT

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe all relevant local and international regulations.

Protective Measures: Avoid contact with skin and eyes. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers.

Clean Up Methods: Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.

Additional Advice: Local authorities should be advised if significant spillages cannot be contained.

7: HANDLING AND STORAGE

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General Precautions: Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

Handling: Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

Storage: Make sure the container is tightly closed and stored in a dry and well ventilated place. Use properly labeled and closeable containers. Storage Temperature: 0-50°C.

Recommended Materials: PVC

Additional Information: Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Component name: Maximum allowable concentration in the working environment

Base oil - highly refined: ACGIH (American).

STEL: 10 mg/m³ 15 minutes. Form: mineral oil mist

TWA: 5 mg/m³ 8 hours. Forms: mineral oil mist

If no maximum allowable concentration is regulated, for relevant information and guidance, please refer to the ACGIH value.

Exposure Controls: The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances.

Appropriate measures: Adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

Personal Protective Equipment: Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory Protection: No respiratory protection is ordinarily required under normal conditions of use.

In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [boiling point >65 °C (149 °F)].

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Hand Protection: Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

Eye Protection: Wear safety glasses or full face shield if splashes are likely to occur. **Protective Clothing:** Skin protection not ordinarily required beyond standard issue work clothes.

Monitoring Methods: Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

Environmental Exposure Controls: Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear pale yellow. Liquid at room temperature.

Odour: Slight hydrocarbon.

pH : Not applicable.

Initial Boiling Point and Boiling Range: > 280 °C estimated value(s)

Pour point: Typical -24 °C

Freezing Point: Typical -50 °C

Flash point : Typical 170 °C

>140 °C (Cleveland Open Cup)

Upper / lower Flammability : Typical 1 - 10 %(V) (based on mineral oil) or Explosion limits Auto-ignition temperature: > 320 °C /

Vapour pressure : < 0.5 Pa at 20 °C (estimated value(s))

Density : Typical 897 kg/m³ at 15 °C

Water solubility : Negligible.

n-octanol/water partition : > 6 (based on information on similar products)c

coefficient (log Pow) Kinematic viscosity : Typical 150 mm²/s at 40 °C

Vapour density (air=1) : > 1 (estimated value(s))

Evaporation rate (nBuAc=1) : Data not available

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10. STABILITY AND REACTIVITY

Stability: Stable under normal use

Conditions to Avoid: Temperature above 90 and direct sunlight.

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Not expected to form during normal storage

11. TOXICOLOGICAL INFORMATION

Basis for Assessment : Information given is based on data on the components and the toxicology of similar products.

Acute Oral Toxicity: Expected to be of low toxicity: LD50 > 5000 mg/kg , Rat

Acute Dermal Toxicity: Expected to be of low toxicity: LD50 > 5000 mg/kg , Rabbit

Acute Inhalation Toxicity: Not considered to be an inhalation hazard under normal conditions of use.

Skin Irritation: Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

Eye Irritation: Expected to be slightly irritating.

Respiratory Irritation: Inhalation of vapours or mists may cause irritation.

Sensitisation: Not expected to be a skin sensitiser.

Repeated Dose Toxicity: Not expected to be a hazard.

Mutagenicity: Not considered a mutagenic hazard.

Carcinogenicity: Product contains mineral oils of types shown to be non-carcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

Reproductive and Developmental Toxicity: Not expected to be a hazard.

Additional Information : Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible.

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

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Acute Toxicity: Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be practically non toxic: LL/EL/IL50 >100 mg/l (to aquatic organisms) (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract). Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.

Mobility: Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

Persistence/degradability: Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

Bioaccumulation: Contains components with the potential to bioaccumulate.

Other Adverse Effects: Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13. DISPOSAL CONSIDERATIONS

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

Container Disposal: Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.

Local Legislation: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION

US Department of Transportation Classification (49CFR)

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

IMDG

This material is not classified as dangerous under IMDG regulations.

IATA (Country variations may apply)

This material is not classified as dangerous under IATA regulations.

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15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Federal Regulatory Status

Notification Status

EINECS All components listed or polymer exempt.

TSCA All components listed.

DSL All components listed.

SARA Hazard Categories (311/312)

No SARA 311/312 Hazards.

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

NFPA Rating (Health, Fire, Reactivity) : 0, 1, 0

MSDS Regulation: The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

MSDS Distribution: The information in this document should be made available to all who may handle the product.

Disclaimer: The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.