

## 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



## Chemical Safety Technical Specification MSDS

### The first part Chemical and enterprise identification

**Chinese name of chemical:** 46号 低温润滑油

**English name of chemical:** No.46 low temperature lubricating oil

**Name of manufacturer:** Shandong Global Lubricating Oil Co. LTD

**To address:** 26 South Industrial Road, Jinan City, Shandong Province, China

**Mail make up:** 250101

**Fax number:** 0531-88834217

**Contact phone number:** 0531-88834217

**Email Address:** sdhqlub@163.com

**Enterprise emergency telephone:** 0531-88834188

**Product recommendation and restricted use:** Suitable for RT stacker truck, pump station lift lubrication.

### The second part Overview of Risk

**Overview of Risk:** Harmless.

**Health hazard:** No specific danger under normal conditions of use. Prolonged or repeated exposure may cause dermatitis. Used oil may contain harmful impurities.

**Symptoms and signs:** Under normal use, it is not expected to cause serious effects.

**Environmental hazards:** Not classified as an environmental hazard.

**Safety hazards:** It's not rated as combustible, but it burns.



**Summary of main symptoms and emergency response:**Based on animal tests, no strong evidence has been found that the product causes cancer. Under normal circumstances, this product is not harmful to health, and excessive contact may cause irritation to the eyes, skin, breathing, etc. Improper cleaning may block skin pores, leading to oil acne, folliculitis and other diseases. Used oils may contain harmful impurities.

#### The third part Composition/composition information

Formula describing

It is a mixture of highly refined mineral oils and additives.

#### The fourth part First aid measures

**General information:** Use under normal conditions should not be a source of health hazard.

**The suction:** Dizziness or nausea are unlikely. If they occur, move the person to fresh air. If symptoms persist, seek medical advice.

**Skin contact:** Remove contaminated clothing, including footwear. Rinse exposed area with running water and wash with soap. If irritation persists, seek medical attention. When USING high pressure equipment, this product may be injected subcutaneously. If this happens, please go to the hospital immediately and do not wait to avoid worsening symptoms.

**Eye contact:** Immediately open the upper and lower eyelids and rinse the eyes thoroughly with running water. If persistent irritation occurs, seek medical attention.

**eat:** Rinse your mouth with water and seek medical attention. Do not induce vomiting.



**Medical advice:** Treated symptomatically, inhalation into the lungs can lead to chemical pneumonia. Prolonged or repeated exposure may cause dermatitis. High-pressure injection injuries require immediate surgical treatment or steroid therapy to minimize tissue damage and skill loss.

#### The fifth part Fire control measures

Evacuate all non-emergency personnel from the fire area.

**Dangerous characteristic:** The flash point of this product is greater than 160°C, In case of open fire, high heat combustible.

**Hazardous combustion product:** Carbon monoxide, carbon dioxide, and unspecified organic and inorganic compounds.

**Extinguishing method:** If possible, move the container from the fire to an open area. Spray water to keep the fire container cool until the end of the fire. If the vessel in the fire is discolored or produces sound from the safety relief device, it must be evacuated immediately. Use foam, dry powder, carbon dioxide, sand or earth for small fires only.

**Prohibited fire extinguishing agent:** Do not spray water.

**Special protective equipment for fire personnel:** Breathing apparatus must be worn when approaching the point of ignition in a confined space.

#### The sixth part Emergency treatment of leakage

Avoid contact with spilled or released substances. For guidance on the selection of personal protective equipment, see Chapter 8 of the Safety Technical specification. Information about disposal, see chapter 13 safety specifications. Please comply with all applicable local or national regulations.

**Emergency procedure:** Cut off the fire source, immediately contact the operator, let unrelated personnel quickly evacuate to a safe area and isolation. Cut off the source of leakage as much as possible to prevent it from



entering the sewers, drains, water bodies and other Spaces. Follow relevant fire procedures, refer to Chapter 8 of the Safety Technical manual.

**The emergency action:** Quickly evacuate the contaminated area to the safety zone, and quarantine, strictly restrict access. Cut off the fire. Emergency responders are advised to wear self-contained positive pressure breathing apparatus and antistatic overalls. Cut off the source of the leak if possible. Prevent the flow into the sewer, drainage ditch and other restricted space. If this cannot be stopped, notify local authorities. Small leakage: Absorb with sand, vermiculite or other inert material. A large number of leaks: build embankment or dig pit shelter. Cover with foam to reduce steam damage. Transfer to tank car or special collector with explosion-proof pump, recycle or transport to waste disposal site.

**Elimination method:** A large amount of leakage is pumped into the container with a vacuum pump, and a small amount of leakage can be prevented by wood chips, sand, soil, oil absorbing cotton or other adsorbents and put into a sealed container for treatment. Land leakage, take protective measures to cut off the source of pollution, to minimize the pollution of surface water. Water spills, immediately stop the loss of oil with oil lines, warn nearby vessels, and use appropriate dispersants if necessary. Should be serious leak event notification will not be able to deal with the local authorities.

## **The seventh part Operational disposal and storage**

**General precautions:** Avoid prolonged or repetitive contact with the skin and wash thoroughly after contact. If there is a risk of inhaling steam, spray or smoke, use a local exhaust ventilator. When handling, light loading and unloading should be done to prevent damage to packaging and containers.



**Safety precautions:** Operators must be specially trained and strictly abide by the operating rules. Avoid contact with oxidants. Equipped with the corresponding number of fire equipment and leakage emergency treatment equipment. Protective shoes should be worn when loading and unloading 200-litre barrels of products. Empty containers may have harmful residues.

**Storage Precautions:** Store in a cool, ventilated warehouse. Keep away from fire and heat source. The temperature should not exceed 30°C. Keep the container airtight. Should be stored separately from the oxidant, do not mix storage. Explosion-proof lighting and ventilation facilities are adopted. Do not use mechanical equipment and tools that are prone to spark. The storage area shall be equipped with leakage emergency treatment equipment and appropriate holding materials.

### The eighth part Contact control/personal protection

#### Maximum permissible concentration:

Oil mist, mineral oil China MAC (mg/m<sup>3</sup>): -

America ACGIH:

TWA (mg/m<sup>3</sup>): 5 Mineral oil mist.

STEL (mg/m<sup>3</sup>): 10 Mineral oil mist.

**Exposure control:** The level of protection and type of control measures required vary according to potential exposure conditions. Select control measures based on risk assessment of local conditions. Appropriate measures include:

Ventilation is sufficient to control gas concentration.

This product is more likely to accumulate in the air after heating, spraying or fogging.



**Respiratory system protection:** In normal use conditions, generally do not need to wear respiratory protective equipment. If oil mist cannot be controlled, wear a respirator mask. Filter suitable for particulate/organic gas and vapor mixtures is recommended.

**Eye protection:** Generally, no special protection is required. If splashes may occur, chemical safety protective glasses or face mask can be worn.

**The body protection:** In general, no special skin protection is required beyond ordinary work clothes.

**Hand protection:** Wear rubber oil resistant gloves.

**Other protective:** Smoking is strictly prohibited on the work site. Avoid long-term repeated exposure.

**Environmental exposure control:** To reduce emissions to the environment, environmental assessments must be conducted to ensure compliance with local environmental regulations.

## The ninth part Physical and chemical properties

**Appearance and Character:** Light yellow to yellow, liquid at room temperature.

**Smell:** No odor or slight odor.

**PH:**No data.

**Melting point(°C):**No data.

**Pour point:**-40°C (Typical value) .

**Initial boiling point:**>240°C (Estimated value) .

**Flash point:**175°C (Open cup method) (Typical value) .

**Explosion limit:**No data.

**Vapor pressure:**<0.5Pa@20°C (Estimated value) .

**Vapor density:**>1 (air=1).



**Density:**0.84-0.93 kg/l (20°C) .

**Solubility:**Insoluble in water.

**Octanol/water partition coefficient:**>6(Estimated value)

**Spontaneous combustion temperature:**>280°C.

**Decomposition temperature:** No data.

**Kinematic viscosity:**40mm<sup>2</sup>/s-46mm<sup>2</sup>/s@40°C.

### The tenth part of the Stability and reactivity

**The stability :** Stabilize.

**Substances to avoid:** Strong oxidizing agent, flammable or combustible substance, organic matter.

**Conditions to be avoided:** Extreme temperatures and direct sunlight.

**A dangerous polymer:** Do not apply.

**Chemical decomposition of hazardous chemicals:** Under normal storage conditions, no dangerous decomposition will form.

### Part 11 Toxicological data

**Acute toxicity:**

**Acute oral toxicity:** Low expected toxicity: LD50>5000mg/kg

**Acute skin toxicity:** Low expected toxicity: LD50>5000mg/kg

**Acute respiratory toxicity:** It is not considered to be a danger of inhalation under normal use.

**Skin irritation or corrosion:** Expect to feel slightly stimulated. Prolonged or continuous contact with the skin without proper washing may block skin pores and lead to diseases such as oily acne/folliculitis.

**Eye irritation or corrosion:** Expect to feel slightly stimulated.



**Respiratory or eye allergies:** Inhalation of vapour or mist may cause irritation.

**Degeneration of germ cells:** No risk of mutagenesis is considered.

**carcinogenicity:** Carcinogenicity in humans is unknown.

**The reproductive toxicity:** Should not be hazardous materials.

**Inhalation hazard:** Inhalation of vapour or mist may cause irritation.

**Additional information:** Used oil contains harmful impurities that accumulate during use and may pose a risk of damage to health and the environment when handled. All used oils should be handled with care and avoid contact with skin as much as possible.

## Part 12 Information on ecology

**Acute toxicity:** A mixture of poor solubility. May cause foul odour to aquatic organisms.

**Mobility/migration in the soil:** Liquid under most conditions. It floats on water, and if it gets into the soil, it will be absorbed by soil particles and will not be able to flow.

**Persistence/degradation:** Not expected to biodegrade easily. The main components are expected to be inherently biodegradable, but also to contain components that may persist in the environment.

**Bioaccumulation:** Contains components with bioaccumulation potential.

## Part 13 Waste disposal

**Nature of waste:** Waste mineral oil.

**Disposal of chemical products:** Recycle or recycle whenever possible. To identify the toxicity and physical characteristics of the material



produced in order to develop relevant treatment procedures. Do not dispose in the environment, drains or drains.

**Disposal of containers:** To the extent possible, dispose of waste by an approved waste collector or contractor in accordance with the current implementation Ordinance.

**Disposal considerations:** Please use personal protective equipment. Keep waste from contacting soil or flowing into drains. Use transport, recycling, treatment or storage equipment approved by the authorities for waste turnover or storage.

#### Part 14 Transportation information

**Precautions for Transportation:** Before transportation, check whether the packaging containers are intact and sealed. During transportation, ensure that the containers do not leak, collapse, fall or damage. It is strictly prohibited to be mixed with oxidants and edible chemicals. Transport vehicles and vessels must be thoroughly cleaned and disinfected, otherwise no other articles may be loaded. Shipment should be away from high temperature, ignition and other parts. Follow the prescribed route.

#### Part 15 Regulatory information

**Regulatory information:** According to the relevant laws and regulations of China, this product is not classified as a dangerous chemical.

**Domestic chemical safety management regulations:** Regulations on the Safety Administration of Hazardous Chemicals (Promulgated by The State Council on March 2, 2011).

Regulations on the Safe Use of Chemicals in the Workplace ([1996] Ministry of Labor No. 423)

GB 6944 dangerous goods classification and commodity code.



GB/T 16483 Chemical safety technical specification content and project sequence

GB 13690 General Rules for classification and risk publicity of chemicals.

GB 12268 List of dangerous goods.

GB 15258 chemical safety label write regulation.

GBZ 2.1 workplace harmful factors in the occupational exposure limit part 1 chemical harmful factors such as laws and regulations, for the safe use of hazardous chemicals, production, storage, transportation, loading and unloading, etc, have made the corresponding provisions.

## Part 16 Other information

**Revision date:** January 11, 2023.

**MSDS Version number:** The front page.

**Other materials:** Additional information and manuals are available through sales and technical services.

**Amendment statement:** The information provided is based on our understanding of the available data, and the product is described only in accordance with health, safety and environmental requirements. We do not guarantee the specific features of our products.