

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HODT Korrosionsschutz GmbH

Trade name: **FLUID FILM WRO-EP**

Revision date: 24.06.2014

Version : 3

Print date: 24.06.2014

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY /UNDERTAKING

1.1 Identification of the substance or preparation: Fluid Film WRO-EP

REACH Registration No.(Submission Number for the main component): DZ401697-07

1.2 Relevant use of the substance/ preparation:

2.1.1 As intended: High pressure wire rope grease and corrosion protector

2.1.2 Not recommended: for other purpose than described in Data Sheet.

1.3 Details to the supplier who prepared the Safety Data Sheet

HODT Korrosionsschutz GmbH

Street: Flurstr. 8

D-21465 Wentorf bei Hamburg

Information contact: Detlef Wulff-Hodt , Tel.: +49-(0)40-72904030;

Fax.: +49-(0)40-7294059; detlef.wulffhodt@hodt.de

Producer: EUREKA Chemical Company, San Francisco

1.4 EMERGENCY TELEPHONE : + 49-6131/1924 (Universitätsklinikum Mainz)

02. HAZARDS IDENTIFICATION

This material is not consider to be hazardous according to regulatory guidelines see Section 15.

HEALTH HAZARD: low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation. High-pressure injection under skin may cause serious damage.

NOTE: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

03. COMPOSITION INFORMATION

No reportable hazardous substances or complex substances. The composition is as follow:

| <u>CAS No</u> | <u>MATERIAL NAME</u> |
|---------------|-------------------------------------|
| 72623-83-7 | Mineral Oel (hydrogen treated) |
| 1592-23-0 | Calcium Stearate |
| 68424-44-2 | Calcium Lanolate |
| 61789-86-4 | Calcium Petroleum Sulfonate |
| 10254-57-6 | Methylene bis dibutyldithiocabamate |
| 1333-86-4 | Carbon black |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HODT Korrosionsschutz GmbH

Trade name: **FLUID FILM WRO-EP**

Revision date: 24.06.2014

Version : 3

Print date: 24.06.2014

04. FIRST AID MEASURE

General advises:

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard. No specific first aid measures are required.

Skin contact: No specific aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the preparation from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Eye contact: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water. If irritation occurs, get medical assistance.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Ingestion: First aid is normally not required. Seek medical attention if discomfort occurs.

05. FIRE FIGHTING MEASURES

Extinguishing media:

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Extinguishing media which must not be used for safety reasons:

Straight streams of water.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide, aldehydes, sulphur oxides and unidentified organic compounds will be evolved when this product undergoes combustion.

Protection of fire fighters:

Fire fighting instructions: This product will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined space without proper protective equipment, including self-contained breathing apparatus.

06. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Eliminate all sources of ignition in vicinity of released material.

Environmental precautions:

Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Scrape up spill as soon as possible with shovels into a suitable container for recycle or disposal.

Method for cleaning up:

Slippery when spilt. Avoid accidents, clean up immediately. Soak up residue grease with an absorbent such as a clay, sand or other suitable material and dispose properly.

Where feasible and appropriate, remove contaminated soil.

Additional information:

Local authorities should be advised if significant spillages cannot be contained.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HODT Korrosionsschutz GmbH

Trade name: **FLUID FILM WRO-EP**

Revision date: 24.06.2014

Version : 3

Print date: 24.06.2014

07. HANDLING AND STORAGE

Handling:

Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Prevent small spills and leakage to avoid slip hazard. 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 equipment used. Do not store in open or unlabelled containers.

Precautions against fire and explosion:

Static Accumulator: This material is not a static accumulator. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use 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.

Packing materials:

For containers or container linings, use mild steel or high density polyethylene. Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion.

Do not cut, weld, braze, grind, or expose containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. Empty container should be completely empty, properly closed, and promptly returned to a drum reconditioner or disposed properly.

Technical measures and storage conditions:

Store and use in a well-ventilated area.

Storage class VCI : 3

Specific uses:

Wire Rope Lubricant that provides a tough outer coating to seal and protect the rope against corrosion, wear and rust

Recommendations and use – see our Data Sheet

08. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control measures to consider:

No special requirements under ordinary conditions of use and with adequate ventilation !

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

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 include Adequate ventilation to control airborne concentration. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentration to be generated.

Note: Information about recommended monitoring procedures can be obtained from the relevant agency(ies) / institute(s): DE – Berufsgenossenschaftliches Institut für Arbeitssicherheit (BGIA)
UK – Health and Safety Executive (HSE)

Personal protective equipment

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended normal usage.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HODT Korrosionsschutz GmbH

Trade name: **FLUID FILM WRO-EP**

Revision date: 24.06.2014

Print date: 24.06.2014

Version : 3

Respiratory Protection:

If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include.

No protection is ordinarily required under normal conditions of use.

Hand Protection:

Any specific glove information provided is based on published literature and glove manufacture data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this product include:

No protection is ordinarily required under normal conditions of use.

Eye Protection:

If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection:

Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Specific Hygiene Measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state: solid

Form: grease

Colour: green-black

Odour: Characteristic mild piney odour

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative density (at 25 °C): 0,933

Flash point (COC): 254 °C

Flammable Limits (Approximate: volume % in air): LEL: N/D UEL: N/D

Autoignition Temperature: N/D

Vapour Density (Air = 1): N/D

pH: N/A

Solubility in Water: Negligible

Oxidising properties: see section 3, 15, 16

OTHER INFORMATION

Freezing Point: N/D

Melting Point: N/D

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HODT Korrosionsschutz GmbH

Trade name: **FLUID FILM WRO-EP**

Revision date: 24.06.2014

Version : 3

Print date: 24.06.2014

10. STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions

CONDITIONS TO AVOID: Excessive heat. High energy sources of ignition.

MATERIAL TO AVOID: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

| Route Exposure | Conclusion / Remarks |
|--------------------------------|---|
| INHALATION | |
| Toxicity: No end point data. | Minimally toxic. Based on assessment of the components |
| Irritation: No end point data. | Negligible hazard at ambient/normal handling temperatures. Based on assessment of components. |
| INGESTION | |
| Toxicity: LD50 > 5000 mg/kg | Minimally Toxic. Based on test data for structurally similar materials |
| Skin | |
| Toxicity: LD50 > 5000 mg/kg | Minimally toxic. Based on test data for structurally similar materials |
| Irritation: Data available. | Negligible irritation to skin at ambient temperatures. Based on assessment of the components. |
| Eye | |
| Irritation: Data available. | May cause mild, short-lasting discomfort to eyes. Based on assessment of the components |

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.

Acute Toxicity

Poorly soluble mixture – Not expected to be harmful to aquatic organisms.

MOBILITY

Base components (calcium lanolate, calcium stearate, calcium petroleum sulfonate) have very low solubility and floats and is expected to migrate from water to the land. If enters soil, it will adsorb to soil particles and will not be mobile.

PERSISTENCE / DEGRADABILITY

Expected to be not readily biodegradable. The major constituent are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

BIOACCUMULATION

Contains components with the potential to bio accumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

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, photo-chemical ozone creation potential or global warming potential.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HODT Korrosionsschutz GmbH

Trade name: **FLUID FILM WRO-EP**

Revision date: 24.06.2014

Print date: 24.06.2014

Version : 3

13. DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with the current applicable laws and regulations, and material characteristics at time of disposal.

DISOSAL RECOMMENDATIONS

Product is suitable for burning an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

CONTAINER DISPOSAL

Empty Container Warning (where applicable):

Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean without proper instructions. Empty container should be completely cleaned with rags and safely stored until appropriate reconditioned or disposed.

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

REGULATORY DISPOSAL INFORMATION

EU Waste Disposal Code (EWC): 12 01 12

Note: These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use. Waste producers need to assess used when generating the waste and its contaminants in order to assign the proper waste disposal code(s).

This material is considered as hazardous waste pursuant to Directive 91/689/EEC on hazardous waste, and subject to the provisions of that Directive Article 1(5) of that Directive applies

14. TRANSPORT INFORMATION

ROAD TRANSPORT (ARD/RID/GGVSE):

Not regulated as dangerous goods for transportation under ARD/RID/

PACKING GROUP: III

SEA TRANSPORT (IMDG-Code/GGVSee):

Not regulated as dangerous goods for transportation under the IMDG Code.

Marine Pollutant: NO

PACKING GROUP: III

AIR TRANSPORT (ICAO-IATA/DGR):

Not regulated as dangerous goods for transportation under ICAO.

PACKING GROUP: III

15. REGULATORY INFORMATION

Material is not dangerous as defined by the EU Dangerous Substances / Preparations Directives.

EU LABELING: Not regulated according to EC Directives

REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS

Complies with the following national/regional chemical inventory requirements:
AICS, DSL, EINECS, ENCS, PICCS, TSCA

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HODT Korrosionsschutz GmbH

Trade name: **FLUID FILM WRO-EP**

Revision date: 24.06.2014

Print date: 24.06.2014

Version : 3

16. OTHER INFORMATION

N/D = Not determined, N/A = Not applicable

Relevant R-and H-phrases: None

Recommended restrictions on use: No restrictions

REVISION STATEMENT : This revision updates the version Nr. 1 of this Safety Data Sheet in accordance with the Article 31 in conjunction with the Enclosure II of the Regulation (EC) No. 1907/2006 (REACH).

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.