



according to Regulation (EC) No 1907/2006

#### **DREI-S-WERK AWF 1400**

Print date: 04.11.2016 Product code: DREI-S-WERK AWF 1400 Page 1 of 9

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

DREI-S-WERK AWF 1400

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

### Use of the substance/mixture

High-temperature lubricating paste

### 1.3. Details of the supplier of the safety data sheet

Company name: Erik M. Schmauser

**Humidity and Power** 

Street: Austr. 41

Place: D-91126 Schwabach, Germany

Telephone: +49 (0)9122 888 580 Telefax: +49 (0)9122 888 581

e-mail: info@drei-s-werk.de

Contact person: David Telephone: +49 (0)157 83517264

Harrow

e-mail: <u>david.harrow@drei-s-werk.de</u>

Internet: <a href="www.drei-s-werk.de">www.drei-s-werk.de</a>
Responsible Department: Health & Safety

**1.4. Emergency telephone** Tel.: +49 (0)157 83517264 (Mo – Fr. 08:00 – 16:00 h)

number:

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

#### 2.2. Label elements

Regulation (EC) No. 1272/2008

#### Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

No information available.

### **SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures

# Chemical characterization

Grease highly refined mineral oils with the addition of solid lubricants and EP additives.

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68425-15-0	DODECYLTRISULFID			1 - < 5 %
	270-335-7			
	Aquatic Chronic 4; H413			

Full text of H and EUH statements: see section 16.





according to Regulation (EC) No 1907/2006

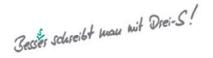
# **DREI-S-WERK AWF 1400**

Print date: 04.11.2016 Product code: DREI-S-WERK AWF 1400

Contains highly refined mineral oil (IM 346 DMSO extract <3%).

Page 2 of 9

 Revision No: 1,00
 GB - EN
 Revision date: 04.11.2016





according to Regulation (EC) No 1907/2006

# **DREI-S-WERK AWF 1400**

Print date: 04.11.2016 Product code: DREI-S-WERK AWF 1400 Page 3 of 9

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

### After inhalation

Provide fresh air.

#### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Rinse mouth immediately and drink plenty of water.

### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

## Advice on safe handling

No special measures are necessary.

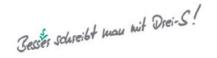
# Advice on protection against fire and explosion

No special fire protection measures are necessary.

## 7.2. Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

Keep container tightly closed.





according to Regulation (EC) No 1907/2006

# **DREI-S-WERK AWF 1400**

Print date: 04.11.2016 Product code: DREI-S-WERK AWF 1400 Page 4 of 9

### Advice on storage compatibility

No special measures are necessary.

### 7.3. Specific end use(s)

High-temperature lubricating paste

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

#### Additional advice on limit values

Components with workplace to control parameters: Oil mist benchmark (sum of aerosol and vapor): 10 mg / m³ air. Oil mist: 10mg / m³ (TLV-STEL 15 minutes).

#### 8.2. Exposure controls



### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

#### Eye/face protection

Wear eye/face protection.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves of Viton or nitrile. Permeation time> 480 minutes. It is recommended to check the chemical resistance of the aforementioned protective gloves for special applications with the glove manufacturer

### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state: Paste beige Colour: characteristic

Odour:

Test method

pH-Value: not determined

Changes in the physical state

Melting point:  $> 175 \,^{\circ}\text{C}$ Initial boiling point and boiling range:  $> 250 \,^{\circ}\text{C}$ drop point:  $> 175 \,^{\circ}\text{C}$ 





according to Regulation (EC) No 1907/2006

#### **DREI-S-WERK AWF 1400**

Print date: 04.11.2016 Product code: DREI-S-WERK AWF 1400 Page 5 of 9

Flash point: > 200 °C DIN ISO 2592

Sustaining combustion: No data available

**Flammability** 

Solid: not applicable
Gas: not applicable
Lower explosion limits: not determined
Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties** 

Not oxidizing.

Vapour pressure: <0,1 hPa

(at 20 °C)

Density (at 20 °C): 0,950 g/cm³ DIN 51757

Water solubility: Immiscible

(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient: not determined Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

# **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

## 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

# 10.3. Possibility of hazardous reactions

No known hazardous reactions.

# 10.4. Conditions to avoid

none

# 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

# **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects



Additional information on tests

# **Safety Data Sheet**



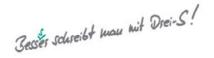
according to Regulation (EC) No 1907/2006

# **DREI-S-WERK AWF 1400**

Print date: 04.11.2016 Product code: DREI-S-WERK AWF 1400

Page 6 of 9

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].





according to Regulation (EC) No 1907/2006

#### **DREI-S-WERK AWF 1400**

Print date: 04.11.2016 Product code: DREI-S-WERK AWF 1400 Page 7 of 9

# **SECTION 12: Ecological information**

#### 12.1. Toxicity

The product is not: Ecotoxic.

#### 12.2. Persistence and degradability

The product has not been tested.

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

#### 12.6. Other adverse effects

No information available.

#### **Further information**

Avoid release to the environment.

### **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

#### Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

### Waste disposal number of waste from residues/unused products

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF

METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of

metals and plastics; spent waxes and fats

Classified as hazardous waste.

#### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

## **SECTION 14: Transport information**

### Land transport (ADR/RID)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

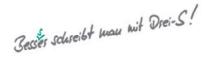
#### Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of this transport regulation.	
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.	
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.	
14.4. Packing group:	No dangerous good in sense of this transport regulation.	

# Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.14.4. Packing group: No dangerous good in sense of this transport regulation.





according to Regulation (EC) No 1907/2006

#### DREI-S-WERK AWF 1400

Print date: 04.11.2016 Product code: DREI-S-WERK AWF 1400 Page 8 of 9

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

#### **SECTION 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### EU regulatory information

2010/75/EU (VOC): not applicable. 2004/42/EC (VOC): not applicable.

Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

# **SECTION 16: Other information**

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

#### Relevant H and EUH statements (number and full text)

H413 May cause long lasting harmful effects to aquatic life.

EUH210 Safety data sheet available on request.

### **Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.





according to Regulation (EC) No 1907/2006

# **DREI-S-WERK AWF 1400**

Print date: 04.11.2016 Product code: DREI-S-WERK AWF 1400 Page 9 of 9

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety

data sheet.)

 Revision No: 1,00
 GB - EN
 Revision date: 04.11.2016