

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

073711611

N/A

# ILS Instrument Lubricant

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Revision date: 12/22/2020

Supersedes: 9/29/2017

Version: 1.4

SDS No: 00379-0003

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : ILS Instrument Lubricant  
UFI : 7PDK-7WU1-YA0J-CW87  
Product code : ILS

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Instrument care product

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Hu-Friedy Mfg. Co., LLC.  
Zweigniederlassung Deutschland  
Kleines Öschle 8  
D-78532 Tuttlingen  
T 00800 48 37 43 39 - F 00800 48 37 43 40  
[info@hu-friedy.eu](mailto:info@hu-friedy.eu) - [www.hu-friedy.eu](http://www.hu-friedy.eu)

E-mail address of competent person responsible for the SDS: [sds@gbk-ingelheim.de](mailto:sds@gbk-ingelheim.de)

##### Manufacturer

Hu-Friedy Mfg. Co., LLC  
3232 N. Rockwell St.  
Chicago, IL 60618

#### 1.4. Emergency telephone number

Emergency number : INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
Deutschland: 06132 - 84463 (24 Stunden - 7 Tage/Woche - 365Tage/Jahr)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aspiration hazard, Category 1 H304  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

May be fatal if swallowed and enters airways.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Danger  
Contains : White mineral oil (petroleum)  
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.  
Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P331 - Do NOT induce vomiting.  
P405 - Store locked up.

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : Instrument care spray

| Name  | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|---------|---|
| White mineral oil (petroleum) substance with national workplace exposure limit(s) (DE); Substance with a Community workplace exposure limit | (CAS-No.) 8042-47-5<br>(EC-No.) 232-455-8<br>(REACH-no) 01-2119487078-27 | 10 - 30 | Asp. Tox. 1, H304   |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Take off immediately all contaminated clothing. If you feel unwell, seek medical advice.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.                       |
| First-aid measures after skin contact | : Wash skin with plenty of water.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.   |
| First-aid measures after ingestion    | : Immediately call a POISON CENTER/doctor. Rinse mouth out with water. Drink plenty of water. Do not induce vomiting. Attention. Beware, danger of aspiration. |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after skin contact | : Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. |
| Symptoms/effects after eye contact  | : May cause eye irritation.   |
| Symptoms/effects after ingestion    | : Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.                             |

### 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   | : Foam. Carbon dioxide. Chemical powder. Water spray. Fire-extinguishing activities according to surrounding. |
| Unsuitable extinguishing media | : high volume water jet.  |

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>).

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### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information : Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. In case of vapour formation use adequate respirator.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

- Methods for cleaning up : Take up liquid spill into absorbent material. Shovel or sweep up and put in a closed container for disposal.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with eyes, skin or mucous membrane. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Storage conditions : Store tightly closed in a dry and cool place.
- Incompatible products : Oxidizing agent.
- Information on mixed storage : Keep away from food, drink and animal feeding stuffs.
- Storage class (LGK) : LGK 10 - Combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

|   |                      |
|---|----------------------|
| <b>White mineral oil (petroleum) (8042-47-5)</b>          |                      |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |                      |
| Local name  | Mineral oils (AHRMO) |

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| White mineral oil (petroleum) (8042-47-5)         |  |
|---|--|
| IOEL TWA  | 5 mg/m <sup>3</sup> (inhalable fraction) |
| Notes   | (Year of adoption 2010)                  |
| Regulatory reference                              | SCOEL Recommendations                    |
| Germany - Occupational Exposure Limits (TRGS 900) |  |
| Local name  | Weißes Mineralöl (Erdöl)                 |
| AGW (OEL TWA) [1]                                 | 5 mg/m <sup>3</sup> (A)                  |
| Peak exposure limitation factor                   | 4(II)                                    |
| Remark  | DFG;Y                                    |
| Regulatory reference                              | TRGS900                                  |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Protective goggles (EN 166). Eyewash bottle with clean water (EN 15154)

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Long sleeved protective clothing

##### Hand protection:

Protective gloves. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves

| Type              | Material     | Permeation        | Thickness (mm) | Penetration | Standard |
|-------------------|--------------|-------------------|----------------|-------------|----------|
| protective gloves | Butyl rubber | 6 (> 480 minutes) | 0,7            |             |          |

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Not required for normal conditions of use

#### 8.2.2.4. Thermal hazards

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No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|   |                                 |
|---|---------------------------------|
| Physical state                                  | : Liquid                        |
| Colour  | : milky.                        |
| Odour   | : Slight.                       |
| Odour threshold                                 | : Not available                 |
| Melting point                                   | : Not available                 |
| Freezing point                                  | : Not available                 |
| Boiling point                                   | : Not available                 |
| Flammability                                    | : Not applicable                |
| Explosive limits                                | : Not available                 |
| Lower explosive limit (LEL)                     | : Not available                 |
| Upper explosive limit (UEL)                     | : Not available                 |
| Flash point                                     | : > 93.3 °C                     |
| Auto-ignition temperature                       | : Not available                 |
| Decomposition temperature                       | : Not available                 |
| pH  | : 6.3                           |
| Viscosity, kinematic                            | : Not available                 |
| Solubility                                      | : Soluble in water. at 20 °C.   |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                 |
| Vapour pressure                                 | : Not available                 |
| Vapour pressure at 50 °C                        | : Not available                 |
| Density   | : 0.97 g/cm <sup>3</sup> @ 20°C |
| Relative density                                | : Not available                 |
| Relative vapour density at 20 °C                | : Not available                 |
| Particle size                                   | : Not applicable                |
| Particle size distribution                      | : Not applicable                |
| Particle shape                                  | : Not applicable                |
| Particle aspect ratio                           | : Not applicable                |
| Particle aggregation state                      | : Not applicable                |
| Particle agglomeration state                    | : Not applicable                |
| Particle specific surface area                  | : Not applicable                |
| Particle dustiness                              | : Not applicable                |

### 9.2. Other information

VOC content : 0 %

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 0 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

No data available.

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### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

### 10.5. Incompatible materials

Strong oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### White mineral oil (petroleum) (8042-47-5)

|               |              |
|---------------|--------------|
| LD50 oral rat | > 5000 mg/kg |
|---------------|--------------|

Skin corrosion/irritation : Not classified  
pH: 6.3  
Serious eye damage/irritation : Not classified  
pH: 6.3  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : May be fatal if swallowed and enters airways.

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Waste treatment methods : Can be disposed as a solid waste or burned in a suitable installation according to local legislation. Where possible recycling is preferred to disposal.
- Product/Packaging disposal recommendations : Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.
- European List of Waste (LoW) code : 07 06 99 - wastes not otherwise specified

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable



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### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 0 %

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

| Section | Changed item | Change | Comments |
|---------|--------------|--------|----------|
| 1       | UFI          | Added  |          |

### Abbreviations and acronyms:

|        |   |
|--------|---|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate   |
| BCF    | Bioconcentration factor   |
| BLV    | Biological limit value  |
| BOD    | Biochemical oxygen demand (BOD)   |
| COD    | Chemical oxygen demand (COD)  |
| DMEL   | Derived Minimal Effect level  |
| DNEL   | Derived-No Effect Level   |
| EC-No. | European Community number   |
| EC50   | Median effective concentration  |
| EN     | European Standard   |
| IARC   | International Agency for Research on Cancer   |
| IATA   | International Air Transport Association   |
| IMDG   | International Maritime Dangerous Goods  |

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|         |  |
|---------|--|
| LC50    | Median lethal concentration  |
| LD50    | Median lethal dose   |
| LOAEL   | Lowest Observed Adverse Effect Level   |
| NOAEC   | No-Observed Adverse Effect Concentration                                     |
| NOAEL   | No-Observed Adverse Effect Level   |
| NOEC    | No-Observed Effect Concentration   |
| OECD    | Organisation for Economic Co-operation and Development                       |
| OEL     | Occupational Exposure Limit  |
| PBT     | Persistent Bioaccumulative Toxic   |
| PNEC    | Predicted No-Effect Concentration  |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS     | Safety Data Sheet  |
| STP     | Sewage treatment plant   |
| ThOD    | Theoretical oxygen demand (ThOD)   |
| TLM     | Median Tolerance Limit   |
| VOC     | Volatile Organic Compounds   |
| CAS-No. | Chemical Abstract Service number   |
| N.O.S.  | Not Otherwise Specified  |
| vPvB    | Very Persistent and Very Bioaccumulative                                     |
| ED      | Endocrine disrupting properties  |

### Full text of H- and EUH-statements:

|             |   |
|-------------|---|
| Asp. Tox. 1 | Aspiration hazard, Category 1                 |
| H304        | May be fatal if swallowed and enters airways. |

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

|             |      |                    |
|-------------|------|--------------------|
| Asp. Tox. 1 | H304 | Calculation method |
|-------------|------|--------------------|

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.