

Date of issue: 28/05/2015

Revision date: 28/05/2015

Replaces version 5.1

Version:6.0

dated: 27/5/2009

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : Diamond Abrasive Lapping fluid, JOKE Hyprex OS Fluid  
Product code : DWS/LF/10, DWS/LF/250, DWS/LF/500, JOKE Hyprex OS Fluid 990-140/2  
Formulation : 990-140/2  
Chemical family : Petroleum Distillates

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Industrial/Professional use spec : Industrial grinding and polishing

**1.2.2. Uses advised against**

No additional information available.

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

Trend Machinery & Cutting Tools Ltd  
Unit 6 Odhams Trading Estate  
St. Albans Road  
Watford  
Herts  
United Kingdom  
T 0044 1923 249911  
F 0044 1923 236879  
technical@trendm.co.uk  
www.trend-uk.com

**1.4. Emergency telephone number**

Emergency number : 0800 132052 Engis UK Ltd

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Aspiration Toxicant - Category 1 H304

Full text of H-phrases: see section 16

**Classification according to Directive 67/548/EEC or 1999/45/EC**

Xn; Harmful: R65, R66

Full text of R-phrases: see section 16

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

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Danger  
Hazardous ingredients : Isoparaffinic Hydrocarbon  
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.  
: EUH066 - Repeated exposure may cause skin dryness or cracking.  
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.  
: P102 - Keep out of reach of children.  
: P103 - Read label before use.  
: P210 - Keep away from flames and hot surfaces - No smoking.  
: P280 - Wear protective gloves, eye/face protection.  
: P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
: P331 - Do NOT induce vomiting.  
: P370 + P378 - In case of fire: use water fog, foam, dry chemical or carbon dioxide (CO2) for extinction.  
: P271 - Use only outdoors or in a well-ventilated area.  
: P405 - Store locked up.

: P501 - Dispose of contents/container in a safe manner in accordance with local/national regulations.

### 2.3. Other hazards

Repeated contact may cause mild skin and eye irritation.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixture

| Name                      | Product identifier  | %       | Classification according to Directive 67/548/EEC |
|---------------------------|---|---------|--|
| Isoparaffinic Hydrocarbon | (CAS No) 64742-47-8<br>(EC no) 265-149-8<br>(EC index no) | 40 - 70 | Xn; R65  |
| Isoparaffinic Hydrocarbon | (CAS No) 64742-48-9<br>(EC no) 265-150-3<br>(EC index no) | 20 - 50 | Xn; R65  |

| Name                      | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------|---|---------|---|
| Isoparaffinic Hydrocarbon | (CAS No) 64742-47-8<br>(EC no) 265-149-8<br>(EC index no) | 40 - 70 | Asp. Tox - Cat.1 H304   |
| Isoparaffinic Hydrocarbon | (CAS No) 64742-48-9<br>(EC no) 265-150-3<br>(EC index no) | 20 - 50 | Asp. Tox - Cat.1 H304   |

Full text of R- and H-phrases: see section 16

### 3.3. Additional information

See section 8 for Workplace Exposure Limits (WEL)

Classification according 67/548/EEC

Xn: R65 - Harmful: may cause lung damage if swallowed. (Isoparaffinic hydrocarbon)

Xn: R66 - Repeated exposure may cause skin dryness or cracking. (Isoparaffinic hydrocarbon)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).                             |
| First-aid measures after inhalation   | : Remove individual to fresh air. If breathing is difficult, administer oxygen and seek medical attention.  |
| First-aid measures after skin contact | : Wash thoroughly with soap and water. Remove contaminated clothing and laundry before re-use.  |
| First-aid measures after eye contact  | : Flush thoroughly with water until irritation subsides. Lifting upper and lower lids to facilitate cleansing. If irritation persists seek medical attention. |
| First-aid measures after ingestion    | : Do NOT induce vomiting. Keep person at rest. Immediately call a POISON CENTER or doctor/physician.  |

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

Symptoms/injuries : Prolonged and repeated exposure may cause skin and eye irritation.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Use water spray to cool surfaces exposed to fire to disperse vapors and to protect personnel attempting to stop any leakage. Extinguish the fire with foam, dry chemical or carbon dioxide. |
| Unsuitable extinguishing media | : No additional information available.  |

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

Hazardous decomposition products : Carbon monoxide, carbon dioxide, various oxides of carbon.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4. Additional information

No additional information available

## SECTION 6: Accidental release measures

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

6.1.1. For non-emergency personnel  
Emergency procedures : Evacuate unnecessary personnel. If possible, shut off source of release without further hazard.

### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent liquid from entering sewers, water courses or low areas. Notify authorities if liquid enters sewers or public waters or has contaminated soil.

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

Methods for cleaning up : Contain spilled liquid with absorbent material. Take up absorbed material and place into suitable container for disposal. Consult an expert on disposal of recovered material to ensure conformity to local regulations.

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Use only outdoors or in a well-ventilated area. Avoid breathing Vapours. Avoid contact during pregnancy/while nursing.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work thoroughly after handling.

Electrostatic accumulation hazard : Not applicable

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

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away. Keep container closed when not in use. Store and transport at ambient. Storage at atmospheric pressure.

Incompatible products : Strong oxidising agents (acids). Testing for compatibility with specific plastic materials is recommended.

Incompatible materials : No data available

Compatible materials : Glass, carbon steel, stainless steel, polyethylene, polypropylene, polyester

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Isoparaffinic Hydrocarbon 64742-47-8, 64742-48-9

|                       |                              |                                    |
|-----------------------|------------------------------|------------------------------------|
| United Kingdom (EH40) | WEL TWA (mg/m <sup>3</sup> ) | 1200 mg/m <sup>3</sup>             |
| United Kingdom (EH40) | WEL TWA (ppm)                | 171 ppm total hydrocarbons (Vapor) |
|                       | DNEL values                  | No data available                  |
|                       | PNEC values                  | No data available                  |

**8.2. Exposure controls**

|                                |  |
|--------------------------------|--|
| Personal protective equipment: | : Avoid all unnecessary exposure. Gloves. Protective glasses. Protective clothing.   |
| Hand protection                | : Wear protective gloves.  |
| Eye protection                 | : Safety glasses   |
| Skin and body protection       | : Protective clothing  |
| Respiratory protection         | : No protection is ordinarily required under normal conditions of use and with adequate ventilation. 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. |



Other information : Do not eat or drink during use.

**SECTION 9: Physical and chemical properties**

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

|                                  |                         |
|----------------------------------|-------------------------|
| Physical state                   | : Liquid                |
| Appearance                       | : Thin liquid.          |
| Colour                           | : Colourless            |
| Odour                            | : Odourless             |
| Odour threshold                  | : No data available     |
| pH                               | : No data available     |
| Evaporation rate                 | : Slower than water     |
| Melting point                    | : No data available     |
| Freezing point                   | : No data available     |
| Boiling point                    | : 376-483°F (191-251°C) |
| Flash point (ASTM D56)           | : 144° F (63°C)         |
| Self ignition temperature        | : 640° F (338° C)       |
| Decomposition temperature        | : No data available     |
| Flammability (solid, gas)        | : Non flammable         |
| Vapour pressure                  | : No data available     |
| Relative vapour density at 20 °C | : No data available     |
| Relative density                 | : Heavier than air      |
| Density                          | : 1062 g/l              |
| Solubility in water              | : Dispersable           |
| Percent volatile                 | : >90%                  |
| Viscosity                        | : 4-5 cPs               |
| Explosive properties             | : No data available     |
| Oxidising properties             | : No data available     |
| Explosive limits                 | : No data available     |
| Specific gravity                 | : 0.8 gm/cc             |
| Partition co-efficient           | : No data available     |

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

Stable at normal temperatures and pressures

**10.3. Possibility of hazardous reactions**

Not reactive at normal temperatures and pressures

**10.4. Conditions to avoid**

Storage temperatures above melting temperature

**10.5. Incompatible materials**

Strong oxidising agents (acids)

**10.6. Hazardous decomposition products**

Material does not decompose at ambient temperatures

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**

|                             |  |
|-----------------------------|--|
| Acute toxicity              | : No data available  |
| Irritation                  | : No data available  |
| Corrosivity                 | : No data available  |
| Sensitization               | : No data available  |
| Repeated dose toxicity      | : No data available  |
| Carcinogenicity             | : No ingredient of this product is listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration (USA). |
| Mutagenicity                | : No data available  |
| Toxicity for reproduction   | : No data available  |
| Risk of aspiration toxicity | : May be fatal if swallowed and enters airways. Based on physico-chemical properties of the materials.   |
| STOT-single exposure        | : No data available  |
| STOT- repeated exposure     | : No data available  |

**CMR Assessment**

|                         |  |
|-------------------------|--|
| Target organ effects    | : Overexposure to the components of this product has been suggested as a cause of kidney damage in laboratory animals. |
| Development information | : No data available  |
| Cancer information      | : No data available  |

**11.2. Other information**

No data available

**SECTION 12: Ecological information**
**12.1. Toxicity**

No data available

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**

|                                |   |
|--------------------------------|---|
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.<br>Dispose of contents/container to Dispose in a safe manner in accordance with local/national regulations. |
|--------------------------------|---|

|                           |                                     |
|---------------------------|-------------------------------------|
| Ecology - waste materials | : Avoid release to the environment. |
|---------------------------|-------------------------------------|

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA

**14.1. UN number**

|               |                  |
|---------------|------------------|
| UN-No         | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |

**14.2. UN proper shipping name**

|                      |                       |
|----------------------|-----------------------|
| Proper Shipping Name | : Not dangerous goods |
|----------------------|-----------------------|

**14.3. Transport hazard class(es)**

|                    |                  |
|--------------------|------------------|
| Class (UN)         | : Not applicable |
| Class (IATA)       | : Not applicable |
| Class (IMDG)       | : Not applicable |
| Hazard labels (UN) | : Not applicable |

**14.4. Packing group**

|                    |                  |
|--------------------|------------------|
| Packing group (UN) | : Not applicable |
|--------------------|------------------|

**14.5. Environmental hazards**

Dangerous for the environment : No  
 Marine pollutant : No  
 Other information : No

**14.6. Special precautions for user**
**14.6.1. Overland transport**

No data available

**14.6.2. Transport by sea**

No data available

**14.6.3. Air transport**

No data available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

**SECTION 15 : Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) no. 1907/2006

**15.1.2. National regulations**

No additional information available

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

User notes : Sections revised 1 to 16  
 Revision due to change in regulations  
 Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND  
 OF THE COUNCIL of 16 December 2008 on classification, labelling and  
 packaging of substances and mixtures, amending and repealing Directives  
 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
 Other information : Suppliers own data sheet (Engis UK Ltd), issued 24/09/2013, revision 2.0,  
 previous revision date 23/03/2009  
 Trend SDS reference : LEAF/HS/DWSLF

Full text of R-, H- and EUH-phrases:

|             |  |
|-------------|--|
| H304        | May be fatal if swallowed and enters airways - Aspiration toxicant, Category 1 |
| EUH0066     | Repeated exposure may cause skin dryness or cracking                           |
| R65         | Harmful: may cause lung damage if swallowed                                    |
| R66         | Repeated exposure may cause skin dryness or cracking                           |
| Asp. Tox. 1 | Aspiration hazard, Category 1  |
| Xn          | Harmful  |

SDS EU (REACH Annex II)

*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.*