

# SAFETY DATA SHEET

## WD & Pen Oil - Chemodex

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

#### 1.1. Product identifier

**Product name** WD & Pen Oil - Chemodex

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

**Identified uses** Lubricant.

**Uses advised against** This product is not recommended for any other purpose than stated above.

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

**Supplier** Chemodex Ltd  
Canal Road  
Worksop  
Nottingham  
S80 2EH

01909 473301  
01909 500961

#### 1.4. Emergency telephone number

**Emergency telephone** As Above - Opening Hours 9 am - 4 pm (Monday - Friday)

### SECTION 2: Hazards identification

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

##### Classification

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Asp. Tox. 1 - H304

**Environmental hazards** Aquatic Chronic 2 - H411

**Classification (67/548/EEC or 1999/45/EC)** Xn;R65. N;R51/53. R10,R66.

#### 2.2. Label elements

##### Pictogram



**Signal word**

Danger

**Hazard statements**

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P331 Do NOT induce vomiting.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
<b>Contains</b>	Naphtha (petroleum), Hydrodesulfurized Heavy, Mineral Oil
<b>Supplementary precautionary statements</b>	<p>P233 Keep container tightly closed.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P273 Avoid release to the environment.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P391 Collect spillage.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Naphtha (petroleum), Hydrodesulfurized Heavy</b>		<b>60-100%</b>
CAS number: 64742-82-1	EC number: 265-185-4	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	Xn;R65. N;R51/53. R10,R66.	
STOT SE 3 - H336		
STOT RE 1 - H372		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		
<b>Mineral Oil</b>		<b>5-10%</b>
CAS number: 8042-47-5	EC number: 232-455-8	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Asp. Tox. 1 - H304	Xn;R65. R66,R53.	
Aquatic Chronic 4 - H413		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Immediately remove any clothing soiled by the product.
<b>Inhalation</b>	Supply fresh air; consult doctor in case of complaints.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately.

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<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

<b>Inhalation</b>	Difficulty in breathing. Headache. Coughing, chest tightness, feeling of chest pressure. Nausea, vomiting.
<b>Ingestion</b>	May cause stomach pain or vomiting. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with the following media: Carbon dioxide (CO <sub>2</sub> ). Dry chemicals, sand, dolomite etc. Foam.
<b>Unsuitable extinguishing media</b>	Water.

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

<b>Specific hazards</b>	Fire creates: Carbon monoxide (CO).
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### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses. Cool containers exposed to flames with water until well after the fire is out.
<b>Special protective equipment for firefighters</b>	Wear self-contained respiratory protective device.

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

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Remove all sources of ignition.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Avoid the spillage or runoff entering drains, sewers or watercourses. If substance has entered a water course or sewer or contaminated soil or vegetation, advise the appropriate authorities.
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### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Do not use sawdust or other combustible material. Contain and absorb spillage with sand, earth or other non-combustible material. For waste disposal, see Section 13.
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### **6.4. Reference to other sections**

<b>Reference to other sections</b>	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

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**Usage precautions** Container must be kept tightly closed when not in use. Ensure adequate ventilation of the working area. Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Protect from heat.

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

**Storage precautions** Avoid contact with oxidising agents. Avoid acids. Keep container tightly closed. Avoid direct sunlight. Do not store near heat sources or expose to high temperatures.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **Naphtha (petroleum), Hydrodesulfurized Heavy**

Short-term exposure limit (15-minute): WEL 100 ppm 442 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### **Naphtha (petroleum), Hydrodesulfurized Heavy (CAS: 64742-82-1)**

#### **DNEL**

Industry - Dermal; Long term systemic effects: 44 mg/kg/day

The lists valid during the making were used as basis.

Industry - Inhalation; Long term systemic effects: 330 mg/m<sup>3</sup>

Consumer - Dermal; Long term systemic effects: 26 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 71 mg/m<sup>3</sup>

Consumer - Oral; Long term systemic effects: 26 mg/kg/day

### 8.2. Exposure controls

#### **Protective equipment**



#### **Eye/face protection**

Wear tightly sealed goggles

#### **Hand protection**

The glove material has to be impermeable and resistant to the product / the substance / the preparation. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Protective gloves should be replaced at first signs of wear.

The following materials are suitable:

Protective gloves complying with EN 374.

Nitrile Rubber

PVC

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### Hygiene measures

Based on and limited to our experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler. The choice of suitable protective equipment depends on work conditions and what methods are used for handling the substance. This advice is not a substitute for each Company conducting their own Risk/COSHH Assessments, but is provided as general guidance. Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use barrier cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.

### Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation. In confined or poorly ventilated areas suitable respiratory protection should be used if exposed to high levels of spray or mist.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Liquid.
Colour	Brown.
Odour	Solvent.
Flash point	~38°C
Solubility(ies)	Insoluble in water.

### 9.2. Other information

Other information	No relevant information available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	May react with: strong acids, strong alkalis and oxidising agents.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable. No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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### 10.5. Incompatible materials

Materials to avoid	Strong acids. Strong oxidising agents. Strong alkalis.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Route of entry	Inhalation Ingestion. Skin and/or eye contact Refer to Section 4 of SDS for routes of exposure and corresponding symptoms.
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<b>Target organs</b>	Respiratory system, lungs
<b>Medical symptoms</b>	Irritation of eyes and mucous membranes. Skin irritation.
<b>Medical considerations</b>	Skin disorders and allergies.

### Toxicological information on ingredients.

#### Naphtha (petroleum), Hydrodesulfurized Heavy

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 15,000.0

**Species** Rat

**ATE oral (mg/kg)** 15,000.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 3,400.0

**Species** Rat

**ATE dermal (mg/kg)** 3,400.0

##### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 13,100.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 13,100.0

**General information** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion** Harmful: may cause lung damage if swallowed.

**Skin contact** Prolonged skin contact may defat the skin and produce dermatitis.

**Eye contact** Vapour or spray in the eyes may cause irritation and smarting.

**Route of entry** Inhalation Ingestion. Skin and/or eye contact Refer to Section 4 of SDS for routes of exposure and corresponding symptoms.

#### Mineral Oil

**Toxicological effects** Acute Toxicity (oral): LD50 > 2000mg/kg (Rat)  
Acute Toxicity (inhalation): LD50 > 5000mg / m<sup>3</sup> / 4hr (Rat)  
Acute Toxicity (dermal): LD50 > 2000mg/kg (Rabbit)

**Inhalation** This material has a low vapour pressure and does not cause an inhalation exposure at ambient conditions. Contact with sprays, mists or vapours may cause irritation to the breathing passages. Aspiration of spray, mist or vapour may cause chemical pneumonitis.

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<b>Skin contact</b>	No irritant effect.
<b>Eye contact</b>	Repeated or prolonged contact spray, mist or vapours may cause eye irritation but no permanent damage.
<b>Target organs</b>	Skin

### SECTION 12: Ecological Information

**Ecotoxicity** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 12.1. Toxicity

##### Ecological information on ingredients.

##### Naphtha (petroleum), Hydrodesulfurized Heavy

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: >1 - <10 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >1 - <10 mg/l, Daphnia magna

##### Mineral Oil

<b>Toxicity</b>	Aquatic Toxicity (fish): LC50 > 400,000ppm in 96hrs - Rainbow Trout (0% mortality) Aquatic Toxicity (algae): Not Established Aquatic Toxicity (invertebrate): LC50 > 500,000ppm in 96hrs - Mysidopsis bahia
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#### 12.2. Persistence and degradability

##### Ecological information on ingredients.

##### Naphtha (petroleum), Hydrodesulfurized Heavy

<b>Persistence and degradability</b>	No further relevant information available. The product is readily biodegradable.
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##### Mineral Oil

<b>Persistence and degradability</b>	This product is inherently biodegradable
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#### 12.3. Bioaccumulative potential

##### Ecological information on ingredients.

##### Naphtha (petroleum), Hydrodesulfurized Heavy

<b>Bioaccumulative potential</b>	May be accumulated in organism
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##### Mineral Oil

<b>Bioaccumulative potential</b>	Bioaccumulation is unlikely to be significant because of the low water-solubility of this product. Bioavailability to aquatic organisms is minimal.
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#### 12.4. Mobility in soil

##### Ecological information on ingredients.

##### Naphtha (petroleum), Hydrodesulfurized Heavy

<b>Mobility</b>	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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### Mineral Oil

**Mobility** The product is immiscible with water and will spread on the water surface.

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

##### Ecological information on ingredients.

#### Naphtha (petroleum), Hydrodesulfurized Heavy

**Results of PBT and vPvB assessment** Not applicable

### Mineral Oil

**Results of PBT and vPvB assessment** Not applicable

#### 12.6. Other adverse effects

##### Ecological information on ingredients.

#### Naphtha (petroleum), Hydrodesulfurized Heavy

**Other adverse effects** Not applicable.

### Mineral Oil

**Other adverse effects** Although not toxic to vertebrates and invertebrates spilled material may affect organisms (especially small invertebrates) by physical smothering leading or by deoxygenation of the water below the oil film. WGK = 1 (Germany)

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** The packaging must be empty (drop-free when inverted).

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Packaging: Recover and reclaim or recycle. If practical.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)** 1993

**UN No. (IMDG)** 1993

**UN No. (ICAO)** 1993

**UN No. (ADN)** 1993

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** FLAMMABLE LIQUID N.O.S. Contains Naphtha (petroleum), Hydrodesulfurized Heavy

**Proper shipping name (IMDG)** FLAMMABLE LIQUID N.O.S. Contains Naphtha (petroleum), Hydrodesulfurized Heavy

**Proper shipping name (ICAO)** FLAMMABLE LIQUID N.O.S. Contains Naphtha (petroleum), Hydrodesulfurized Heavy

**Proper shipping name (ADN)** FLAMMABLE LIQUID N.O.S. Contains Naphtha (petroleum), Hydrodesulfurized Heavy



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### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## SECTION 15: Regulatory information

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

<b>National regulations</b>	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.
<b>EU legislation</b>	Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). 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 (as amended).

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<b>Guidance</b>	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.
<b>Health and environmental listings</b>	Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).
<b>Water hazard classification</b>	WGK 1

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>General information</b>	PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.
<b>Revision date</b>	10/04/2015
<b>Revision</b>	1
<b>Risk phrases in full</b>	R65 Harmful: may cause lung damage if swallowed.
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness. H372 Causes damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.

The information provided in this document is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties, accuracy, reliability or completeness. In no event we will be responsible for damages or effects of any nature whatsoever, either express or implied, resulting from the use of this information. It is the own responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application by carrying out a full risk assessment of their specific processes and systems of work. All information contained within this document is for the product in its undiluted state and relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated.