

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

### PATINATION OIL

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

##### 1.1. Product identifier

Product name	PATINATION OIL
Product code	87101111/ 871F0010 / 871F0011

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

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

Company	CALDER INDUSTRIAL MATERIALS LTD
Address	Ground Fl, Building 7 Queens Park, Queensway Team Valley Trading Estate Gateshead Tyne & Wear NE11 0QD
Web	<a href="http://www.calderlead.co.uk">www.calderlead.co.uk</a>
Telephone	0191 4827350
Fax	0191 4827351
Email	info@calderlead.co.uk
Email address of the competent person	<a href="mailto:cbrown@calderlead.co.uk">cbrown@calderlead.co.uk</a>

##### 1.4. Emergency telephone number


Emergency telephone number	0191 4827350 8.30AM - 5.00PM Mon-Fri
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#### SECTION 2: Hazards identification

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

2.1.2. Classification - EC 1272/2008	: EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 2: H373; Aquatic Chronic 2: H411;
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##### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

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## 2.2. Label elements

Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

## 2.3. Other hazards

Other hazards	No data is available on this product.
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
White Spirit		64742-82-1	919-446-0		80 - 90%	: EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 2: H373; Aquatic Chronic 2: H411;
CO-ZIRC DRIERS		136-52-7	205-250-6		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H336; Repr. 2: H361d; STOT RE 1: H372; Aquatic Chronic 2: H411;
Troymax Antiskin OP		100-64-1	202-874-0		0 - 0.5%	Flam. Sol. 2: H228; Acute Tox. 4: H302; Eye Irrit. 2: H319; STOT RE 2: H373; Aquatic Chronic 3: H412;

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING.

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

Inhalation	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin. May cause dermatitis.
Ingestion	Harmful if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting.

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

Inhalation	Seek medical attention.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.

## SECTION 5: Firefighting measures

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## 5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO <sub>2</sub> ), Dry chemical, Foam.
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## 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
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## SECTION 6: Accidental release measures

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

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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### 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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### 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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### 6.4. Reference to other sections

	See section 8. PPE, 13. Disposal considerations for further information.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Self-contained breathing apparatus. Wear protective clothing.

## SECTION 9: Physical and chemical properties

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

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## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Amber
Odour	Characteristic
Melting point	No data available
Freezing Point	No data available
Initial boiling point	152 °C
Flash point	38 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
pH	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Insoluble in water

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	No data is available on this product.
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### 10.2. Chemical stability

	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

	No data is available on this product.
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### 10.4. Conditions to avoid

	No data is available on this product.
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### 10.5. Incompatible materials

	No data is available on this product.
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### 10.6. Hazardous decomposition products

	No data is available on this product.
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## SECTION 11: Toxicological information

### 11.1.4. Toxicological Information

	No data available
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## SECTION 12: Ecological information

### 12.1. Toxicity

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## 12.1. Toxicity

PATINATION OIL	Daphnia EC50/48h: 10.0000 mg/l	Fish LC50/96h: 10.0000 mg/l
White Spirit	Daphnia EC50/48h: 10.0000 mg/l Daphnia LC50/48h: 10-22 mg/l	Fish LC50/96h: 10.0000 mg/l

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

## 12.3. Bioaccumulative potential

## Partition coefficient

PATINATION OIL No data available

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6. Other adverse effects

No data is available on this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of as special waste in compliance with local and national regulations.

### Disposal of packaging

Do NOT reuse empty containers.

## SECTION 14: Transport information

### Hazard pictograms



### 14.1. UN number

UN1300

### 14.2. UN proper shipping name

TURPENTINE SUBSTITUTE (White Spirit)

### 14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

### 14.4. Packing group

Packing group III

### 14.5. Environmental hazards

Environmental hazards Yes  
Marine pollutant Yes

### 14.6. Special precautions for user

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## 14.6. Special precautions for user

No data is available on this product.

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

No data is available on this product.

## ADR/RID

Hazard ID	30
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-E
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## IATA

Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

## SECTION 15: Regulatory information

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

Regulations	<p>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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).</p>
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### 15.2. Chemical safety assessment

No data is available on this product.

## SECTION 16: Other information

### Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>2 - Hazard pictograms.</li> <li>2 - Precautionary Statement: Prevention.</li> <li>2 - Precautionary Statement: Response.</li> <li>2 - Precautionary Statement: Storage.</li> <li>2 - Precautionary Statement: Disposal.</li> <li>12 - 12.1. Toxicity.</li> <li>14 - ADR/RID.</li> <li>14 - IMDG.</li> <li>14 - IATA.</li> </ul>
Text of Hazard Statements in Section 3	<p>EUH066 - Repeated exposure may cause skin dryness or cracking.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.</p> <p>STOT SE 3: H336 - May cause drowsiness or dizziness.</p> <p>STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Repr. 2: H361d - Suspected of damaging the unborn child.</p>



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## Other information

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .  
Flam. Sol. 2: H228 - Flammable solid.  
Acute Tox. 4: H302 - Harmful if swallowed.  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

## Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information 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 other process.