



## SAFETY DATA SHEET

THE SAW CENTRE

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Business Tel No: 0141 429 4444 Fax: 0141 429 5609

**PRODUCT NAME:** SPRAYCUT

**PRODUCT TYPE:** LUBRICATING OIL

**APPLICATION:** Ferrous and non ferrous metalworking lubricant.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

General: Highly refined fatty ester

### 3. HAZARDS IDENTIFICATION

Health and Safety: Not classified as a hazardous material

Environmental: The product has a low order of aquatic and mammalian toxicity and is biodegradable.

Special Hazards: During use, neat metalworking fluids may become contaminated with metal particles and other lubricants, which may increase the irritancy of the products.

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#### 4. FIRST AID MEASURES

Eyes: Wash eye thoroughly with plenty of clean water ensuring eyelids are held open. Obtain medical attention.

Skin: Following skin contact, wash with soap and water. Remove contaminated clothing. Wash/laundry contaminated clothing before re-use.

Inhalation: For effects produced by over-exposure, move to fresh air. If effects persist, obtain medical advice.

Ingestion: Wash out mouth with water and obtain medical attention. Milk or water to drink may be beneficial. Do not induce vomiting without medical advice.

Note for Doctors: Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

Flammability: Combustion can be induced by high energy sources.

Flash Point: > 100°C (Closed Cup)

Autoignition Temp.: > 150°C

Flammability Limits: Not established

Extinguishers Small Fires: Foam, dry powder, carbon dioxide, sand or earth.  
Large Fires: Foam or water fog - DO NOT USE WATER JETS.

Products of Combustion: Combustion can produce a variety of compounds including: oxides of carbon; water vapour; partially oxidised organic compounds and unidentified organic compounds. Some of these combustion products could be toxic.

Special Fire Hazards: Large surface areas exposed to air/oxygen (e.g. oil-soaked rags, paper or absorbed spillages may be easily ignited and these should be cleared up at once.

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Do not spray water directly into storage containers due to boil over danger. Water may be used to cool nearby containers and surfaces.

#### 6. ACCIDENTAL RELEASE MEASURES

General Note: Prevent entry to drains or watercourses. Spillages can be slippery.

Small Spills: Soak in absorbent granules or sand.

Large Spills: Bund using absorbent granules, sand or earth. Reclaim liquid directly or soak in an absorbent medium, and transfer to a suitable, marked container.

Disposal of Spillage: By incineration or via an authorised/licensed waste disposal contractor. Disposal must be in accordance with local regulations and (in the UK) the Environmental Protection Act 1990.

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## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes - wear chemical goggles when handling chemical products. Avoid unnecessary skin contact.

**Storage** Store in dry conditions protected from frost and elevated temperature. Store in original containers or in other suitable containers which are closable and clearly labelled.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure Limits:** The product does not have an established Occupational Exposure Standard (OES), Maximum Exposure Limit (MEL), or Threshold Limit Value (TLV).

**Eyes:** Wearing of chemical goggles is recommended.

**Skin:** It is recommended that the use of protective gloves should be considered whenever their use is practical and safe. Alternatively, the use of skin protective and reconditioning creams may be beneficial. Change heavily contaminated clothing and overalls as soon as possible.

**Inhalation:** Respiratory protection is not normally required. However, suitable respiratory equipment should be provided for those operations which generate vapour, mists or fumes and where exposure cannot be adequately controlled by local exhaust ventilation or other means.

**Industrial Hygiene:** Adopt normal good working practices and personal hygiene standards. Wash hands after use, before eating, drinking, or smoking, and before and after using the toilet. Contaminated clothing should be laundered before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear yellow liquid
Odour:	Bland
Boiling Point/Range (°C):	Not applicable
Pour Point/ Melting Point (°C):	< 0
Flash Point (Open, °C):	>200
Relative Density (at 20°C):	<1
Water Solubility:	Immiscible
Kinematic Viscosity @ 40°C	22 cSt

PLEASE NOTE THAT THESE PROPERTIES DO NOT CONSTITUTE A SPECIFICATION

## 10. STABILITY AND REACTIVITY

**Stability:** This product is stable and unlikely to react in a hazardous manner under normal conditions of use

**Conditions to Avoid:** Extremes of temperature (preferably, store between 5 and 30°C). Protect from frost.

**Materials to Avoid:** Strong oxidising agents (e.g. chlorates, peroxides); strong acids. May soften some rubbers and other elastomeric sealing materials.

Decomposition Products: Thermal decomposition can produce a variety of compounds, the nature of which will largely depend on the conditions bringing about decomposition. Incomplete combustion or thermal decomposition may be expected to generate such materials as: particulate matter; oxides of carbon; water; partially oxidised organic compounds; and other unidentified organic and inorganic compounds.

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## 11. TOXICOLOGICAL INFORMATION

Eyes: Eye contact can cause slight temporary irritation and stinging.

Skin: Dermal LD50: > 2500 (rabbits, expected LD50).  
The product is not expected to produce any significant irritation during brief or occasional contact with intact skin.

Inhalation: Inhalation LC50: Not Established  
The product is unlikely to present any significant inhalation hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes and respiratory tract.

## 12. ECOLOGICAL INFORMATION

Biodegradability: See Below

Chemical Oxygen Demand (mg/L): No Data

Effect on Water Systems: The material is expected to be inherently biodegradable. The components are not expected to be highly toxic to aquatic life. If released to water, the product may deplete the oxygen supply to bottom dwelling organisms. The product is not expected to bioaccumulate.

Effect on Soil: Small quantities will be absorbed in the upper soil layers where biodegradation may take place. Larger quantities may penetrate into anaerobic soil layers in which some of the organic compounds may persist. Whilst some components have a high soil absorption coefficient, some will be capable of penetrating the soil to cause ground water contamination.

## 13. DISPOSAL CONSIDERATIONS

General Note: All means of disposal should comply with local regulations and (in the UK) the Environmental Protection Act 1990. Dispose of product and containers carefully and responsibly. Do not allow product to contaminate ponds, water courses, soil or drains. Do not dispose of product down the drains.

Disposal Recommendations: The product may be incinerated in suitable equipment and under controlled conditions. Alternatively, the product can be disposed of via an authorised person/licensed waste disposal contractor.

## 14. TRANSPORT INFORMATION

UK/EEC Road/Rail Not Classified

ADR Classification Not Classified as Dangerous Goods

UN Classification Not Classified

Marine Pollutant No

UN Shipping Name Not Classified as Dangerous Goods

UN Number Not Applicable  
Diamond Labels Not Applicable  
UN Pack Group Not Applicable  
IMO/IMDG Class Not Classified as Dangerous Goods  
IATA/CAO Not Classified as Dangerous Goods

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## 15. REGULATORY INFORMATION

EEC Classification Not Classified for supply

EEC Number Not Applicable

Risk Phrases Not Applicable

Safety Phrases Not Applicable

## 16. OTHER INFORMATION

The following references provide further information on specific aspects. (\* - In UK, available from HSE sources).

Legislation: Chemical (Hazards, Information and Packaging) Regulations 1993 and as revised  
Environmental Protection Act 1990; Control of Pollution Act 1974  
The Environmental Protection (Duty of Care) Regulations 1991

Guidance: HSE NIG Guidance\*: IND(G)168 Management of metalworking fluids - A guide to good practice for minimising risks to health. HSE Engineering Information Sheet No.14: Skin creams and skin protection in the engineering sector. IND(G)169 Metalworking fluids... ..and you. Health surveillance programmes for employees exposed to metalworking fluids - guidance for the responsible person. IND(G)176 Health risks from metalworking fluids - aspects of good machine design. + HSE Metalworking fluids wallchart.

HSE EH 26\* - Occupational Skin Diseases: Health and Safety Precautions.

HSE EH 40\* - Occupational Exposure Limits.

HSE EH 62\* - Metalworking Fluids - Health Precautions.

HSE L5\* - COSHH Approved Codes of Practice: (1) Control of substances hazardous to health; and (2) Control of carcinogenic substances.

Institute of Petroleum Code of Practice for Metalworking Fluids (John Wiley & Sons)

For additional advice regarding specific applications, refer to the product Technical Data Sheet or contact the supplier. The information on this Data Sheet relates only to the designated product when used for the purposes indicated. It may not be valid if the product is used for other purposes, in combination with other materials, or in any process. References may be made to regulations or standards relevant to use within the United Kingdom. Any additional national or local standards should be observed if the product is used outside the United Kingdom.