



SAFETY DATA SHEET

ALLIED MISTCUT 3 LUBRICANT

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1. APPLICATION:-

Ferrous and non ferrous metalworking lubricant for use in spray mist systems.

2. HAZARDS IDENTIFICATION:-

Health and Safety:

This product can cause slight temporary irritation and discomfort in the eye. For further information, refer to Section 11 – Toxicological Information.

Environmental:

The product has a low order of aquatic and mammalian toxicity and is biodegradable. For further information, refer to Section 12 – Ecological Information.

Special Hazards of Product After Use:

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

Pressure Injection:

Pressure Injection of all products will cause severe internal damage if not promptly treated.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition Information	Classification & R Phrases	Wt%	Exposure Limits
Highly Refined Fatty Ester	-	100	-

4. FIRST AID MEASURES:-

Eyes:

Immediately wash eye thoroughly with plenty of clean water. Obtain medical attention if irritation or redness persists.

Skin:

Following contact with the product, wash with soap and water. Remove heavily contaminated clothing. If irritation persists, obtain medical advice.

Inhalation:

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

Ingestion:

DO NOT INDUCE VOMITING. Wash out mouth with water and obtain medical attention.

Pressure Injection:

Always obtain immediate medical attention even though the injury may appear minor.

5. FIRE FIGHTING MEASURES:-

Flammability:

High energy sources may induce combustion of the product.

Extinguishing Media:

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 partially oxidised compounds and unidentified organic compounds. Some of which may be toxic.

Special Fire Hazards:

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

Special Fire-Fighting Procedures:

Firefighters should enter area wearing self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:-

Small Spills:

Prevent entry to drains or watercourses. Spillages can be slippery. 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.

7. HANDLING AND STORAGE:-

Handling:

Avoid contact with eyes by the product - wear chemical goggles when handling the product.

Storage

Store in dry conditions protected from frost and elevated temperature. Avoid heat and sources of ignition. Store in original containers or in other mild steel or high density polyethylene 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:

Wear chemical goggles when handling the product or if there is a risk of splashing with the product.

Skin:

Wear impervious gloves when handling the product. 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. 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	30 - 40 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. Do not heat above 60°C in the presence of Aluminium as, in certain circumstances, hydrogen gas could be evolved.

Materials to Avoid:

Strong oxidising agents (e.g. chlorates, peroxides); strong acids; products containing sodium nitrate. May soften some rubbers and similar sealing materials.

Decomposition Products:

Incomplete combustion or thermal decomposition may be expected to generate such materials as: particulate matter and un-burnt hydrocarbons; oxides of carbon; oxides of nitrogen; water; partially oxidised organic compounds; and other unidentified organic and inorganic compounds.

11. TOXICOLOGICAL INFORMATION:-

Eyes:

Eye contact with the product may cause 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:

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.

Ingestion:

The product has a very low order of oral toxicity – ingestion is not regarded as a significant health hazard likely to arise in normal use.

12. ECOLOGICAL INFORMATION:-

Water:

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.

Soil:

Small quantities will be absorbed in the upper soil layers where biodegradation may take place.

13. DISPOSAL CONSIDERATIONS:-

All means of disposal should comply with local regulations and 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.

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:-

Classification:	Not classified as dangerous for conveyance
UN Number:	Not applicable
UN Shipping Name:	Not Applicable
IMO Class:	Not Applicable
AD/RID:	Not Applicable
ICAO/IATA:	Not applicable
Packaging Group	Not applicable
Marine Pollutant:	No

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, available in the UK 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:

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 your 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.

ALLIED TOOLING LIMITED

Unit 2, 19 Willis Way
Poole, Dorset, BH15 3SS
T: 01202 675767 F: 01202684422

