

1.PRODUCT / COMPANY IDENTIFICATION

Product Code. 805-004
 Revision Date. 17/08/2004
 Company Name: Advanced Carbide Tooling Ltd
 Sketchley Meadows Business Park
 Hinckley
 Leics.
 LE10 3EZ

Day time tel No. **01455234000**
 Emergency Telephone No: **01455234000**
 Product Name: **Micro-lube XP**

2.COMPOSITION / INFORMATION ON PRINCIPAL INGREDIENTS

Ingredient	% conc.	Classification	CAS	EINECS
Triglyceride vegetable oil	>70%	not classified	8002-13-9	
Methacrylate co-polymer	<20%	not classified		
Proprietary preparation	<10	not classified		

3 HAZARDS IDENTIFICATION**Classification:**

This product is not classified as dangerous according to the Dangerous Substances Directive 67/548/EEC

Classification / Symbol None
 Risk Phrases None

Health Hazard

- Harmful, may cause lung damage if swallowed
- Repeated exposure may cause skin dryness and cracking

Environmental Hazards

- Non-toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Physical / Chemical Hazards // Fire & Explosion Hazards

- Moderate hazard. Liquids can release vapours that can readily form flammable mixtures at temperatures at or above the flash point

4 FIRST AID MEASURES

<u>Exposure route</u>	<u>Symptoms</u>	<u>Treatment</u>
Inhalation	Irritation of throat, coughing	Remove to fresh air.
Skin Contact	None	Wash with soap and water
Eye Contact	Irritation, pain, redness	Wash with copious amounts of water

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or specification of the product. The user must satisfy himself that the product is entirely suited to his purpose

Ingestion

Nausea

DO NOT INDUCE VOMITING

Wash out mouth with water and seek medical advice

5 FIRE FIGHTING MEASURESSUITABLE EXTINGUISHING MEDIADry Powder, Water Fog, CO₂ and Foam DO NOT USE WATER.SPECIAL EXPOSURE HAZARDS

The substances arising from the thermal decomposition of this product will depend largely upon the conditions bringing about decomposition. Any of the following may be expected.

Carbon Dioxide	Polycyclic Aromatic Hydrocarbons
Carbon Monoxide	Unburnt Hydrocarbons
Water	Unidentified Organic and Inorganic Compounds
Particulate Matter	Hydrogen Sulphide

SPECIAL PROTECTIVE EQUIPMENT

For large fires consider fire tunics (EN469), wet leg trousers (EN469), Wellington boots (EN345 Part II 1996), helmet (EN443), flash-hood (EN531), gloves (EN323), self-contained breathing apparatus (EN137), self-contained breathing apparatus with airline attachment (EN139) .

6 ACCIDENTAL RELEASE MEASURESPERSONAL PRECAUTIONS

Not classified as flammable but will support combustion. Remove sources of ignition.

Protective equipment may include PVC, Neoprene or nitrile rubber gloves; rubber knee-length safety boots and PVC jacket and trousers. Avoid contact with eyes and skin.

ENVIRONMENTAL PRECAUTIONS

If the product has contaminated any land it may require excavation of contaminated soil. If the product has entered a water-course or stream use absorbent booms to prevent further contamination.

CLEANUP PROCEDURE

Large spills should be bunded with sand or earth. The liquid should be reclaimed directly or in an absorbent medium and then transferred to clearly marked containers and disposed of in accordance with local by-laws and the requirements of the Environmental Protection Act.

Small spills should be absorbed in a suitable material and disposed of as for large spills.

7 HANDLING AND STORAGEHANDLING

Impervious gloves and overalls where regular contact is likely, and goggles if there is a risk of splashing.

Recommended Procedures – avoid prolonged contact with skin

STORAGE

Keep at temperatures not exceeding 30 -40°C. Protect from extremes of temperature, and protect from ingress of contaminants by keeping the contained closed or by maintaining a product seal around the cap

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8 EXPOSURE CONTROLS

U.K. OCCUPATIONAL EXPOSURE STANDARDS 2002

5 mg/M³ 8 hour TWA value

10 mg/M³ 15 min TWA value

Reference should be made to the HSE's publication Methods for the Determination of Hazardous Substances (MDHS) 84 – Measurement of Oil Mists from mineral based metalworking fluids.

Respiratory protection (eg breathing apparatus or fume extraction) may be required when handling heated material. Half masks (EN149) or valved half masks (EN405) in combination with type A2 (EN141) and P2/3 (EN143) pre-filters may be considered when the liquid is at ambient temperatures, when at elevated temperatures then consider half masks (EN149) or valved half masks (EN405) in combination with type AX (EN371) and P2/3 (EN143) pre-filters.

Where repeated hand contact is likely wear suitable impervious gloves and wash with soap and water. Suitable gloves are Nitrile.

Any contaminated clothing should be removed and laundered before reuse.

Where there is a risk of splashing, suitable goggles should be worn conforming to BS EN 166 345B

Environmental controls

Users should be aware of environmental considerations and their duties under the Environmental Protection Act. Further advice may be found on various government websites eg

www.dti.gov.uk/access/index.htm and www.envirowise.gov.uk

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear green liquid
Odour:	Perceptible
Acidity/Alkalinity	not applicable
Initial boiling point	n/a
Pour Point	n/a
Flash Point	>230°C
Vapour pressure @20°C	<0.1 k Pa
Relative density @ 15°C	0.928
Solubility in water	insoluble
Viscosity @ 40°C	80.1 cSt

10 STABILITY AND REACTIVITY

STABILITY

Stable in normal use

CONDITIONS TO AVOID

Avoid high temperatures and strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

See section 5- Special exposure hazards.

11 TOXICOLOGICAL INFORMATION

OCULAR

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Not expected to be irritant, may cause some discomfort.

DERMAL

Not expected to be irritant.

INHALATION

Inhalation of mists or vapours under normal conditions is not likely to present any hazard, however at elevated temperatures inhalation of mists or vapours may cause respiratory irritation.

INGESTION

Not expected to be toxic. DO NOT INDUCE VOMITING

12 ECOLOGICAL INFORMATION

AIR

The product is a mixture of non-volatile components which are not expected to be released to air in any significant quantities.

WATER

The product will form a floating layer on the surface and its components will not evaporate or dissolve to any great extent. Dissolved components will be absorbed in sediments. In aerobic waters and sediments they will biodegrade slowly, but in anaerobic conditions they will persist. The product is practically non-toxic to aquatic organisms but contains components which have a high potential to bio-accumulate.

SOIL

Small volumes released on land will be absorbed in the upper soil layers and be biodegraded slowly. Larger volumes may penetrate into anaerobic soil layers in which the product will persist and may reach the water table on which it will form a floating layer. The more soluble components may dissolve but their high soil absorption coefficient and low solubility will prevent significant contamination of ground water.

13 DISPOSAL CONSIDERATIONS

Substance via authorised waste disposal contractor to an approved waste disposal facility observing all local and national regulations

Container As substance

14 TRANSPORT INFORMATION

Not dangerous for conveyance

UN NUMBER

PRIMARY HAZARD

SUBSIDIARY HAZARD

PACKING GROUP

EMERGENCY ACTION CODE

PROPER SHIPPING NAME

CLASS

15 REGULATORY INFORMATION

Not dangerous for supply

Supply label details Ref CHIP 3

Label Name

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Symbols
Risk Phrases
Safety Phrases

16 OTHER INFORMATION

Users should be trained in good industrial hygiene practices.

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