

Material Safety Data Sheet

Soluble Cutting Oil

Infosafe No.7CA4S Issue Date February 2011
Not classified as hazardous according to criteria of NOHSC
Not classified as dangerous good according to the ADG code

COMPANY DETAILS

Company Name Markaline Pty Ltd (ABN 82 232 174 656)
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IDENTIFICATION

Product Code SCO
Product Name Soluble Cutting Oil
UN Number None Allocated
DG Class None Allocated
Packing Group None Allocated
Hazchem Code None Allocated
Poisons Schedule Not Scheduled
Product Use Soluble metal working fluid for a wide range of operations.

Physical Data

Appearance Clear brown oil.
Boiling Point N/A
Vapour Pressure N/A
Specific Gravity 1.0270
Flash Point Water content interferes with flash point
Flamm. Limit LEL UEL: N/A (AS1940), LEL: N/A (AS1940)

Other Properties

Volatile Component N/A
Autoignition Temp. N/A
pH Value 9.35 (5 % concentration)

Other Information SOLUBILITY IN WATER: Emulsifiable.

N/A: Not available.

Ingredients

Ingredients Name	CAS	Proportion
Ingredients determined not to be hazardous	Not required	100 %

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed Possible irritation of mouth, gullet and stomach - vomiting might lead to aspiration into lung with possibility of type of pneumonia.

Acute - Eye Temporary irritation.

Acute - Skin SKIN CONTACT: Tendency to dry and defat skin.

SKIN ABSORPTION: Not expected.

Acute - Inhaled Breathing the vapour or mist at concentrations in air that exceed the WORKSAFE exposure standard may cause respiratory irritation or discomfort, especially if material is heated.

Chronic INHALATION: No long term effect if TLV (TWA) is not exceeded.

(See 'EXPOSURE LIMITS INFORMATION'.)

SKIN CONTACT: Prolonged or repeated contact may dry and defat the skin possibly leading to irritation and dermatitis.

SKIN ABSORPTION: Not expected.

First Aid

Swallowed IF LESS THAN 15 MINUTES FROM A HOSPITAL: DO NOT INDUCE VOMITING - transport to hospital IMMEDIATELY.

IF MORE THAN 15 MINUTES FROM A HOSPITAL: INDUCE VOMITING preferably using Ipecac Syrup APF.

Eye Hold eyes open and flush with water for 15 minutes. Not a primary eye irritant but minor irritation may be noticed following contact. If irritation or redness persists, seek medical attention.

Skin Remove contaminated clothing and wash skin with soap and water. Infrequent short term skin contact requires no immediate action. If irritation occurs, seek medical advice.

Inhaled If affected remove to fresh air, treat symptoms and obtain medical assistance.

First Aid Facilities Eye wash and normal wash room facilities.

Advice to Doctor

Advice to Doctor Aspiration or severe exposure to mist or vapour might cause pneumonitis.

Other Health Hazard Information

PRECAUTIONS FOR USE

Other Exposure Info. Worksafe Australia has assigned the following exposure standards for oil mists;

SUBSTANCE	TWA(8 Hr)	STEL(15 Min)	ppm	mg/m3	ppm	mg/m3
Oil (Highly refined mineral oil)			-	5	-	10

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

Eng. Controls Ventilation: Natural.

However, if fumes are generated in the process the use of Local Exhaust Ventilation is recommended.

Other Information Avoid breathing mist or vapour.

The use of an emollient or skin conditioner following washing after work periods is recommended.

Avoid repeated or prolonged skin contact.

Personal Protection

Protective Equip. CLOTHING: PVC or Nitrile apron where clothing is likely to be contaminated.

GLOVES: PVC or Nitrile recommended.

EYES: Chemical goggles or face shield if needed to protect eyes and when dispensing neat product.

RESPIRATORY PROTECTION: Avoid breathing of vapours, mists or spray. Select and use respirators in accordance with AS/NZS 1715/1716. When mists or vapours exceed the exposure standards then the use of the following is recommended: Half facepiece respirator with organic vapour (Type A) and dust/mist (Type P1) filters. Filter capacity and respirator type depends on exposure levels.

Flammability

Fire Hazards Non flammable or combustible liquid.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions AS1678 EPG-TRANSPORT: N/A

Store away from strong oxidising agents, ie, of Class 5.1 or 5.2.

Avoid extreme temperatures, particularly frost.

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Other Storage Info. WARNING STATEMENT: No significant hazard.

Health effects are significantly reduced at use dilutions.

Repeated or prolonged contact with lubricants and industrial oils should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with lubricants and industrial oils maintain high standards of personal hygiene. Build-up of oil mists in the working atmosphere must be prevented.

Spills and Disposal

Spills & Disposal SMALL - 20 LITRES OR LESS Soak up on Diatomaceous Earth or similar inert oil absorbent arrange recycling (preferred) or disposal through an approved facility.

LARGE - GREATER THAN 20 LITRES Contain as soon as possible and remove by best means available and arrange recycling (preferred) or disposal through an approved facility.

WASTE DISPOSAL

New or used mineral oils, or solvent must not be allowed to enter the ground, ground water, water courses, sewerages or drainage systems. Advice may be sought from the Environmental Protection Authority or from the local waste disposal authority.

Fire/Explosion Hazard

Fire/Explos. Hazard AS1940 CLASSIFICATION: Water content interferes with flashpoint.

FIRE FIGHTING: Foam, Extinguishing Powder, Carbon Dioxide.

PRECAUTIONS: Fire fighters to wear Self-contained breathing apparatus (S.C.B.A.) in confined spaces and full protective clothing.

Hazardous Reaction STABILITY: Stable, under normal conditions of use.

MATERIALS TO AVOID: Strong oxidising agents.

HAZARDOUS POLYMERISATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon (CO, CO₂) and noxious smoke.

Hazchem Code None Allocated

OTHER INFORMATION

Toxicology No toxicity data is available for this product, however, based upon similar products;

Oral LD50(rat): > 2000 mg/kg

Environment Protection This material must not be allowed to enter drains, sewers or waterways for further details please refer to the SPILLS AND DISPOSAL section of this MSDS.

Pkg. & Labelling No special packaging or labelling is required.

Empirical Formula & Structural Formula Mixture.

IMPORTANT DISCLAIMER

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End of MSDS