



SAFETY DATA SHEET

Product Name: Koolkut EPII

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name TRU-BLU OIL AUSTRALIA PTY LTD
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Synonym(s) NA

Use(s) Water Emulsifiable Metal Working Fluid

SDS Date 1st February 2017

SDS Review Date 20th September 2022

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

GHS Classification:

Serious eye damage (Category 1)
Skin sensitisation (Category 1)
Flammable Liquid (Category 4)
Carcinogenetic (Category 1B)

GHS Pictogram:



Signal Word:

Danger:

Hazard Statement(s):

H350: May Cause Cancer.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

Precautionary statement(s):

Prevention

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves/ eye protection/ face protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
PETROLEUM OILS (HIGHLY REFINED)	Not Available	Not Available	70-80%
4,4'-METHYLENEDIMORPHOLINE	C9-H18-N2-O2	5625-90-1	<10%
Additive(s)	Not Available	Not Available	remainder

4. FIRST AID MEASURES

Eyes:	If in eyes, hold eyelids apart and flush continuously with running water for at least 15 minutes. If irritation occurs, get medical advice.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	Wash contact areas with soap and water. Remove contaminated clothing and launder before reuse. If product is injected into or under the skin or into any body part, regardless of the appearance of the wound or its size the individual should be evaluated immediately by a physician. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment with the first few hours may significantly reduce the ultimate extent of injury.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
Advice to Doctor:	Treat symptomatically
First Aid Facilities:	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

Flammability	Combustible. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.
Fire and Explosion	Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways.
Hazchem Code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage	Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover/absorb with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.
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7. STORAGE AND HANDLING

Storage	Store in a cool, dry, well ventilated area, removed from oxidising agents, acids, alkalis, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection systems. Store as a Class C2 Combustible Liquid (AS1940).
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

Ingredient	Reference	TWA		STEL	
Mineral oil mist	ASCC (AUS)	--	5 mg/m ³	--	10 mg/m ³

Biological Limits	No biological limit allocated.
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Engineering Controls	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.
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PPE

Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear: coveralls. Where an inhalation risk exists, wear: a Type A (Organic vapour) respirator.

With prolonged use, wear: viton (R) or nitrile gloves and coveralls.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Bright Amber Liquid		
Odour	Mild Characteristic Odour	Specific Gravity	0.9017
pH	Not Relevant	% Volatiles	Not Available
Vapour Pressure	Not Available	Flammability	Class C4 Combustible
Vapour Density	Not Available	Flash Point	>190°C
Boiling Point	Not Available	Upper Explosion Limit	Not Available
Melting Point	Not Available	Lower Explosion Limit	Not Available
Viscosity	50 cSt @ 40°C	Solubility (Water)	Emulsifies

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended conditions of storage.

Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources.

Material to Avoid

Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid), alkalis (eg. hydroxides), heat and ignition sources.

Hazardous Decomposition Products

May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Hazardous Reactions

Polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard

Low toxicity - irritant. Use safe work practices to avoid eye or skin contact and inhalation. The mineral oil contained within this product is highly refined and therefore is not classifiable as to its carcinogenicity in humans (IARC Group 3). Solvent or highly refined mineral oils are not classifiable as to their carcinogenicity in humans (IARC Group 3).

Eye	Low to moderate irritant. Contact may result in irritation, lacrimation, pain and redness.
Inhalation	Low irritant. Over exposure may result in irritation of the nose and throat, with coughing.
Skin	Irritant. Prolonged or repeated contact may result in mild irritation, rash and dermatitis.
Ingestion	Low toxicity. Ingestion of large quantities may result in nausea, vomiting, abdominal pain, diarrhoea, and drowsiness. Aspiration may result in chemical pneumonitis and pulmonary oedema
Toxicity Data	4,4'-METHYLENEDIMORPHOLINE (5625-90-1) LD50 (Subcutaneous): 1000 mg/kg (rat) TDLo (Subcutaneous): 50 mg/kg (rat).

12. ECOLOGICAL INFORMATION

Environment Mineral oils biodegrade slowly and should not be released to waterways or soil.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Reuse where possible or return to manufacturer/supplier. May be recycled. Do not release to drains or waterways.
Contact the manufacturer for additional information.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name	None Allocated	DG Class	None Allocated
UN No.	None Allocated	Hazchem Code	None Allocated
Packing Group	None Allocated	Subsidiary Risk(s)	None Allocated

15. REGULATORY INFORMATION

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

MINERAL OILS - SOLVENT REFINED; Animal experiments and human experience have not shown cancer risks when handling solvent refined mineral oils, unlike non refined mineral oils. CLEANING MINERAL OIL

CONTAMINATED CLOTHING; Cleaners are advised that when cleaning oil contaminated clothing it is essential that freshly distilled solvent is used for each batch, including final rinse, as even filtered solvent will leave oil residues.

MINERAL OILS - USED; Used mineral oils in engine crankcases and other high temperature/high stress environments may contain potentially harmful residues, some of which have been shown to cause irreversible skin effects, including cancer. Prolonged and repeated inhalation of mists associated with used mineral oils may result in pulmonary fibrosis.

MINERAL OILS - INJECTION; Where high pressure applications are used the risk of accidental injection under the skin exists and may result in an extremely painful and serious injury requiring immediate medical attention. Depending on the pressure used, mineral oils may be injected a considerable distance below the skin and may cause permanent tissue damage. SEEK IMMEDIATE MEDICAL ATTENTION. EXERCISE EXTREME CARE WHEN USING HIGH PRESSURE EQUIPMENT.

ABBREVIATIONS:

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EC No - European Community Number.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m³ - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

NTP - National Toxicology Program.

OSHA - Occupational Safety and Health Administration.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

TWA/ES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status

This document has been compiled by Tru Blu Oil, the product and serves as the manufacturer's Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While Tru Blu Oil has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Tru Blu Oil accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

SDS Date: 20th September 2022

End of Report