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SAFETY DATA SHEET

Product Name **Process Oil 23**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	**TRU-BLU OIL AUSTRALIA PTY LTD**
Address	6 Dunlop Court, BAYSWATER VIC 3153 Australia
Telephone	(03) 9720 4400
Fax	(03) 9720 5821
Emergency	0412 609 722
Email	technical@trubluoil.com.au
Web Site	http://www.trubluoil.com.au/
Synonym(s)	**Process Oil, De-aromatized Hydrocarbon**
Use(s)	**Process Oil**
SDS Date	**14/10/2010**

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

GHS Classification:
Not a hazardous substance or mixture.
Flammable Liquid Category 4
Carcinogenetic Category 1B

GHS Pictogram:

Signal Word:
Danger:

Hazard Statements:

H350: May Cause Cancer.

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

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content
Non-Hazardous substance	NA	100%

4. FIRST AID MEASURES

Eye	Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.
Inhalation	Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.
Skin	Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.
Ingestion	If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

Advice to Doctor	Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.
First Aid Facilities	Treat symptomatically. For advice, contact a Poisons Information Centre (Phone eg Australia 131 126).

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Hazards from combustion products	Carbon dioxide and carbon monoxide
Precautions for fire fighters and Special Protective Equipment	Full protective clothing and self-contained breathing apparatus
Suitable Extinguishing Media	Dry chemical or foam.
Hazchem Code	N/R

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment
Major Land Spill
- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard.
- Prevent liquid from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled liquid with sand or earth.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity"

Major Water Spill
- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity".

7. HANDLING AND STORAGE

Storage	Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are combustible. This product will fuel a fire in progress.
Handling	This product is combustible. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static charge. Use grounding leads to avoid discharge (electrical spark).
Incomatible Materials	Natural Rubber, Butyl Rubber, EPDM, Polystyrene

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards	The time weighted average concentration (TWA) for this product is: 5 mg/m3, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short term exposure limit (STEL) is: 10 mg/m3, which is the maximum allowable exposure concentration at any time.

Biological Limits	Not available
Engineering Controls	The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.
PPE	**Respiratory Protection:** Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product. **Eye Protection:** Always use safety glasses or a face shield when handling this product. **Skin/ Body Protection:** Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid	**% Volatiles**	100%
Vapour Pressure	<0.001kPa	**Auto Ignition Temperature**	241°C
Vapour Density	>1.00kPa	**Flash Point**	129°C
Boiling Point	275 – 318°C	**Lower Flammable Limit**	0.6%.
Viscosity	Not applicable	**Upper Flammable Limit**	**7%**
Solubility (water)	< 0.10 %w/w		
Density @ 15°C	0.826		

10. STABILITY AND REACTIVITY

Chemical Stability	This product is stable.
Conditions to Avoid	Sources of heat and ignition, open flames.
Material to Avoid Hazardous Decomposition Products	No decomposition products except on burning. See "Fire Fighting Measures".
Hazardous Reactions	Oxidizing agents, mineral acids, halogenated organic compounds

11. TOXICOLOGICAL INFORMATION

Acute Effects

Eye	This product is irritating to eyes, but will not permanently damage the eye tissue.
Inhalation	Inhalation of this product will yield mild discomfort in large quantities. Vapour concentrations are irritating to nose and throat. Overexposure may be evident through dizziness, nausea, headaches and other central nervous system effects.
Skin	This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking.
Ingestion	Small amounts of liquid aspirated into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis, or pulmonary oedema. Ingesting large amounts of this product will result in headaches, nausea, dizziness, and discomfort on swallowing.
Toxicity Data	Not Available.
Chronic Effects	No chronic health data is available for this product**.**
Other Health Effects Information	None

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity

Fish Toxicity (rainbow trout, goldfish, bluegill) LC50(96hr):	Based on data for a similar component or preparation, this product is expected to be toxic to aquatic organisms.
Daphnia Magna EC50 (24 hr):	Not available
Daphnia Magna EC50 (48 hr):	Long term adverse effects to aquatic organisms are possible if continuous exposure is maintained.
Blue-green algae (Toxicity threshold 7-8 days):	Not available
Green algae (Toxicity threshold 7-8 days):	Not available

Persistence/ degradability

This product can degrade rapidly in air. This substance is expected to be removed in wastewater treatment. Based upon data for a similar components or estimated data, this product is expected to biodegrade rapidly and be 'readily' biodegradable according to OECD guidelines.

Mobility
This product is highly volatile and will rapidly evaporate to the air if released into the water.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

Special Precautions for Landfill or Incineration

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

14. TRANSPORT INFORMATION

This product is classed as Dangerous Goods Class N/R, packing group N/R. Please consult the Australian Dangerous Goods Code for Transport by Road and Rail for information.

Road & Rail Transport		**Marine Transport**		**Air Transport**	
UN No.	N/R	UN No.	N/R	UN No.	N/R
Proper Shipping Name	100% Liquid Hydrocarbon	Proper Shipping Name	100% Liquid Hydrocarbon	Proper Shipping Name	100% Liquid Hydrocarbon
DG Class	N/R	DG Class	N/R	DG Class	N/R
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Pack Group	N/R	Pack Group	N/R	Pack Group	N/R
Hazchem	N/R				

15. REGULATORY INFORMATION

Country/ Region:	Australia
Inventory:	AICS
Status:	Listed
Poisons Schedule:	5

16. OTHER INFORMATION

Additional Information	RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

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 and serves as the manufacturer's Material Safety Data Sheet ('MSDS'). It is based on information concerning the product which has been provided to Tru Blu Oil by 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 MSDS, 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 MSDS.

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End of Report

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