



MATERIAL SAFETY DATA

Product Name: Tru-Blu ATF Dex VI

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name TRU-BLU OIL AUSTRALIA PTY LTD
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Synonym(s) n/a

Use(s) Automatic transmission fluid
SDS Date 19th October, 2016

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

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.

Other Hazards. This product has a low order of toxicity associated with it.
Excessive exposure may result in mild irritation to the skin or respiratory system as well as possible irritation to the eye.
The product contains an alkoxyated long-chain alkyl amine component.
This may produce an allergic reaction.
People with pre-existing skin conditions, such as eczema or dermatitis, should take precautions so as not to exacerbate the condition.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS#	Content
Refined mineral Oils	64742-54-7	>60%
Additional additives.	Not available	<10%

Contains petroleum distillates and additives

4. FIRST AID MEASURES

Inhaled:

Remove the affected person from the contaminated area to fresh air. If breathing difficulties persist seek medical attention. If not breathing apply artificial respiration and seek urgent medical advice.

Ingestion:

If swallowed, do not induce vomiting. Immediately wash out mouth with water. Seek medical attention.

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Skin:

Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation develops and persists seek medical attention.

Eye:

If contact occurs, wash with running water for 15 minutes, holding eyelids open. If irritation develops and persists seek medical attention.

First Aid Facilities

Eye wash and normal washroom facilities.

Advice to Doctor:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Use carbon dioxide, foam or dry chemical to extinguish fires. Do NOT use water jets. Keep storage tanks, pipelines, and fire exposed surfaces cool with water spray.

Specific Hazards:

Combustible C2 liquid.

Hazardous Combustion Products:

During combustion this product may emit toxic and or / irritating fumes including oxides of carbon.

Precautions:

Self-contained breathing apparatus and protective clothing should be worn to minimize exposure.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PROTECTION:

For small spills, wear Nitrile gloves, glasses/goggles, boots and full-length clothing. During routine operation a respirator is not required however, if mists or vapours are generated, an approved organic vapour/particulate respirator is required.

For large spills, or in confined spaces, a full chemically resistant body-suit is recommended and the atmosphere must be evaluated for oxygen deficiency. If in doubt about potential oxygen deficiency wear self-contained breathing apparatus.

CONTROL MEASURES:

Ventilate area and extinguish and/or remove all sources of ignition. Stop the leak if safe to do so. CAUTION: The spilled product will be slippery. Avoid contact with the spilled material.

EMERGENCY PROCEDURES:

In the event of a spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

ENVIRONMENTAL PRECAUTIONS:

SPILL ADVICE:

Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

CONTAINMENT:

Contain the spill and absorb with a proprietary absorbent material, sand or earth. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

CLEANING PROCEDURES:

Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. Follow local regulations for the disposal of waste. For large spills that have been banded, the material can be pumped into vessels and returned for reprocessing or destruction. Personnel must wear gloves, goggles or glasses, boots and full-length clothing during cleaning procedures. Wash contaminated area and objects with detergent and water after spill has been cleared. Rinse the cleaned area with water. Do not allow wash water or rinsings to enter drains, surface water, sewers or water courses.

7. STORAGE AND HANDLING

PRECAUTIONS FOR SAFE HANDLING:

SAFE HANDLING: Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. Prevent small spills and leakage to avoid slip hazards. Properly dispose of any contaminated rags or cleaning materials in order to prevent fire hazards. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

SAFE STORAGE:

This product is a hydrocarbon-based liquid that will burn if preheated. Store in a dry, well ventilated area away from direct sunlight, ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

INCOMPATIBILITIES:

Oxidizing substances including strong acids.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Standards:

Ingredient	Reference	TWA		STEL	
NA	SWA (AUS)	--	5 mg/m3	--	10mg/m3
N/A	SWA (AUS)	--	5 mg/m3	--	10mg/m3

Respiratory Protection:

Avoid breathing vapours or mists. Where ventilation is inadequate and vapours or mists are generated the use of an approved respirator with organic vapour/particulate filter is recommended.

Eye Protection:

Avoid contact with eyes. When exposure is likely wear suitable eye protection.

Hand Protection:

Wear gloves of impervious material if handling material for prolonged periods.

Body Protection:

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated.

Engineering controls:

Natural ventilation should be sufficient, however where vapours or mists are generated (either through confinement or elevated temperatures) the use of a local exhaust system is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Red Coloured Liquid	Solubility (Water)	Insoluble
Odour	Strong Characteristic Odour	Specific Gravity	0.8517
Viscosity	6.55 cSt @100°C	% Volatiles	Not Available
Vapour Pressure	Neg. mm Hg at °C	Flammability	Class C2 Combustible
Vapour Density	Not Available	Flash Point	>180°C (COC)
Boiling Point	>316 °C	Upper Explosion Limit	Not Available

10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions.

Hazardous Polymerization:

Will not occur.

Materials to Avoid:

Strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition and combustion produce noxious fumes containing oxides of carbon, calcium, phosphorus, sulphur and zinc.

Hazardous Reaction:

Hazardous reaction with strong oxidizing agents

Conditions to Avoid:

Heat, direct sunlight, open flames or other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

No toxicity data is available for this material. Data available on the individual components show that no chronic health risks are expected during normal handling.

Inhalation:

May cause irritation to the mucous membrane and upper airways when material is heated and used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea.

Ingestion:

May cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhoea.

Skin:

Prolonged contact may cause irritation of the skin, which may result in redness and/or itchiness, possibly leading to dermatitis.

Eye:

May cause eye irritation, resulting in redness, stinging and lachrymation.

Chronic Effects:

Prolonged or repeated contact with this material may result in skin irritation leading to dermatitis.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

There is no data available for the product as a whole. Some of the components have been rated as Toxic and Harmful to aquatic life with long lasting effects and May cause long lasting harmful effects to aquatic life. Based upon the calculated values the product is not expected to be rated.

PERSISTENCE & DEGRADABILITY:

Based on the available data and the known hazards of the components and similar products the product is not expected to be readily biodegradable. Major constituents are expected to be inherently biodegradable, however the product contains components that may persist in the environment.

BIOACCUMULATIVE POTENTIAL:

No information is available.

MOBILITY IN SOIL:

If the product enters soil, based upon similar products it is expected that it will adsorb onto soil particles and will not be mobile.

OTHER ADVERSE EFFECTS:

Based on the available data and the known hazards of the components and similar products the product is not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential. The product is a mixture of non-volatile components, which are not expected to be released to the air in any significant amounts. The product will float on water.

13. DISPOSAL CONSIDERATIONS

Waste & Product Disposal:

Recycle or dispose of in accordance with prevailing regulations, by a recognised collector or contractor. The competence of the contractor to deal satisfactorily with this type of product should be established beforehand.

Do not pollute the soil, water or environment with the waste product.

Container Disposal:

Recycle container if authorities permit it and facilities are available.

14. TRANSPORT INFORMATION

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

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

15. REGULATORY INFORMATION

Poisons Schedule:

Not scheduled according to the Standard for Uniform Scheduling of Medicines and Poisons

Australian Inventory of Chemical Substances (AICS) and New Zealand Inventory of Chemicals (NZIoC)

All individual components are registered on the Australian and New Zealand Inventory of Chemical Substances.

16. OTHER INFORMATION

Additional 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.
- TWAE/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 MSDS which would encompass all possible scenarios, it is anticipated that the end user will assess the risks and apply control methods where appropriate.

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PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this MSDS 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 by the end user before final selection of personal protective equipment is made.

REPORT STATUS:

This MSDS has been prepared by Tru-Blu Oil using the most current information available at the time of issuing. Tru-Blu Oil accepts no liability (as lawfully allowed) for any loss, injury or damage which may have been suffered or incurred by any person as a consequence of their reliance on information that is contained in this MSDS.

MSDS Date: 19th October, 2016

End of MSDS