



MATERIAL SAFETY DATA

Product Name: Tru-Blu Fuel Injector Cleaner

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) Fuel Treatment

SDS Date 15th December, 2016

2. HAZARDS IDENTIFICATION

GHS classification of the substance/mixture

Flammable Liquids: Category 4

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including

Work, Health and Safety regulations, Australia

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye Damage/Irritation: Category 1
Skin Corrosion/Irritation: Category 2
STOT Single Exposure: Category 3 (respiratory tract irritation)
Acute Toxicity - Dermal: Category 4
Acute Toxicity - Inhalation: Category 4

Signal Word (s)

DANGER

Hazard Statement (s)

Combustible liquid.
Harmful in contact with skin. Causes skin irritation.
Causes serious eye damage. Harmful if inhaled.
May cause respiratory irritation.

Pictogram (s) Corrosion, Exclamation mark



Precautionary statement – Prevention

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash contaminated skin thoroughly after handling
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

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

If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

In case of fire: Use carbon dioxide, dry chemical or foam for extinction.

Precautionary statement – Storage

Store in a well-ventilated place. Keep container lightly closed.

Store in a well-ventilated place. Keep cool. Store locked up.

Precautionary statement – Disposal

Dispose of contents/container to an approved waste facility.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS	Content
2- Butoxyethanol	111- 76- 2	> 60- <90 %
Alcohols, C12- 15, ethoxylated	68131- 39- 5	> 10- <30 %
Other ingredients classified as non-hazardous at the concentrations used according to the criteria of Safework Australia		to 100%

4. FIRST AID MEASURES

First Aid Measures

For advice, contact a Poisons Information Centre (Phone e.g. Australia 131 126; New Zealand 0 800 764 766) or a doctor.

Inhalation

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if symptoms persist.

Ingestion

Do NOT induce vomiting. Wash mouth out with water. Give water to drink. Seek IMMEDIATE medical advice.

Skin

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If irritation occurs seek medical assistance.

Eye contact

Hold eyelids open and irrigate continuously with water for 15 minutes. Seek medical advice.

Advice to Doctor

Treat symptomatically. Show this MSDS to the medical practitioner

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Combustible. Use alcohol stable foam, dry chemical powder or carbon dioxide. Evaporation of water from mixture may cause floating layers of combustible substances, in such an event consider foam, dry chemical powder or carbon dioxide.

Hazards from Combustion Products

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches etc. as ignition may result.

Decomposes on heating and may produce toxic fumes of carbon dioxide, nitrogen oxides and other pyrolysis products typical of burning organic material

Specific Methods

Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Contain - prevent run off into drains and waterways. If contamination of sewers or waterways has occurred advise local emergency services.

Spills & Disposal

Collect and seal in properly labelled containers for disposal. Contain spills with inert absorbent material (e.g. sand, earth). Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

Clean-up Methods - Small Spillages

Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact by using protective equipment.

Clean-up Methods - Large Spillages

Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course.

7. STORAGE AND HANDLING

Precautions for Safe Handling

Avoid skin and eye contact and breathing in vapour. Do not allow clothing wet with material to stay in contact with skin.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from ignition sources.

Keep containers closed when not in use - check regularly for leaks or build-up of pressure.

Avoid reactions with oxidising agents, strong acids & strong alkalis. May attack some form of plastic or rubber.

Storage Regulations

Classified as a Class C1 (Combustible Liquid) for the purpose of storage and handling, in accordance with the requirements of AS1940.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure limit values

No value assigned for this specific material by Safe Work Australia.

2-Butoxy Ethanol TWA 20ppm, 50ppm STEL (Australian Exposure Standards)

Appropriate Engineering Controls

Keep away from sources of ignition. Use in well ventilated areas. If inhalation risk exists; use with local exhaust ventilation or while wearing an approved respirator. Keep containers closed when not in use.

Personal Protective Equipment

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated and other protective equipment before storage or reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance;	Pink Liquid	Solubility (Water);	miscible
Odour;	Slight Odour	Boiling Point;	>150 °C
Specific Gravity;	0.91	Volatile Component;	>80%
Flammable Limits (Lower);	1.1%	Flammable Limits (Upper);	12.7%

10. STABILITY AND REACTIVITY

Product considered stable under normal conditions of use (refer to section 7 for incompatible materials).

11. TOXICOLOGICAL INFORMATION

Ingestion.

Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain.

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Inhalation

Harmful if inhaled. May cause respiratory tract irritation, drowsiness and dizziness.

Skin

Harmful if in contact with skin. Contact with skin can result in irritation. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Eye

May be a severe eye irritant. May cause permanent damage.

Chronic Effects

Limited evidence of a carcinogenic effect. May be harmful to the foetus/embryo*. May possibly affect fertility*.

* Limited evidence.

12. ECOLOGICAL INFORMATION

Eco-toxicity

Expected to be toxic to aquatic species.

Mobility

High.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Empty containers must be decontaminated and destroyed. Normally suitable for incineration by an approved agent.

14. TRANSPORT INFORMATION

Transport Information

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

U.N. Number

None Allocated.

Transport hazard class(es)

None Allocated.

15. REGULATORY INFORMATION

Poisons Schedule

S6

Australia (AICS)

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

16. OTHER INFORMATION

Additional Information.

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER.

Always use product as directed and never return any unused material to original drum.

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.

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.

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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: 15th December, 2016

End of MSDS