

MATERIAL SAFETY DATA SHEET

DT5 Plus CONCENTRATED DIESEL TREATMENT

COMPANY DETAILS:

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HAZARDS CLASSIFICATION

Classified as Hazardous according to the NOHSC WORKSAFE AUSTRALIA CRITERIA

Classified as Dangerous Good according to the ADG CODE, in quantities of 2 LITRES OR MORE.

Risk and Safety Phrases: R 45(2)-May cause cancer, R 65-Harmful: May cause lung damage if swallowed

S 2-Keep out of reach of children, S 24/25/26-Avoid contact with skin and eyes, S 36/37/39-Wear suitable protective clothing, impervious gloves, eye/face protection. S 29/56-Dispose of material as hazardous waste/ EPA regulations.

IDENTIFICATION

DT5 Plus Concentrated Diesel Treatment

Product Codes: 82003,82028,82044,82069 and Bulk Quantities

UN Number: UN 1268 Petroleum Distillates N.O.S. (Not otherwise specified).

Dangerous Goods Class: 3 Flammable

Subsidiary Risk: None Allocated

Hazchem Code: 3 [Y]

Poisons Schedule No: S 5

Packaging Group: III

Pack Size: 1litre, 5 litre,20 litre, 60 litre and Bulk Quantities

Use

Concentrated Fuel Additive for all engines using Distillate fuel. Add to fuel or bulk tank at dosage rate of **1ml of Additive per litre of distillate, (1: 1,000)**, to Vehicle or Bulk Tank, preferably before topping up.

Physical Description / Properties

Blue coloured liquid, having a slight hydrocarbon odour.

Boiling Point:	155-213°C(312-416°F)	Specific Gravity: Water =1	0.802 @ 15.5°C,(60°F)
Vapour Pressure:	2mm Hg @ 25°C (77°F)	Flash Point, TAG Closed Cup	41° C (106°F)
Vapour Density:	4.9	Flammable Limits:	LEL:1.0, UEL: 6
Solubility in water:	Insoluble		

Other Properties

Shock Sensitivity:	Not relevant	Corrosiveness:	Not relevant
Oxidising Properties:	Incompatible with strong oxidising agents, strong acids or bases, and selected amines.		
Reactivity:	Stable. Hazardous polymerisation will not occur. Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.		
Evaporative Rate:	(n-BuAc=1) .01, (Ether=1) 70.	pH:	Not relevant
Solubility :	Soluble in diesel fuel, and similar organic solvents.		
Percent volatiles:	92%	Bulk Density:	0.802 Specific Gravity @ 15.5°C (60°F)

Ingredients

CHEMICAL ENTITY CAS No. 8052-41-3 A Stoddard Solvent base, containing as proprietary properties, a surfactant, an upper cylinder lubricant, and non-metallic combustion modifiers.

PROPORTION: Solvents	466 ppm	<60%
Additives (Proprietary formulation, below SARA III requirements)	100 ppm	>10%
Polybutane Ashless Lubricant	10 ppm	>10%

Contains no BIOCIDES, PTFE, Caustic compounds, Ethanol, Methanol, or Isopropanol Alcohols

HEALTH HAZARD INFORMATION

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EYES: This product may be an eye irritant. SKIN: May cause skin irritation upon prolonged or repeated contacts.

SYSTEMIC EFFECTS: Prolonged exposure may contribute to respiratory tract irritation, or central nervous system depression in high concentration.

ACUTE: R45 May cause cancer. R65 Harmful: May cause lung damage if swallowed. Carcinogenic Category 2.

HEALTH HAZARD INFORMATION (Continued)

FIRST AID: CONTACT NEAREST POISON CONTROL CENTRE.

EYES: Flush with water for at least 15 minutes, and seek immediate medical attention.

SKIN: Wash with soap and large quantities of water. Seek medical attention if irritation from contact persists. **INHALATION:** If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapour concentrations, victim should seek air free of vapours. If breathing stops, begin artificial respiration, and seek medical attention.

SWALLOWING: DO NOT INDUCE VOMITING. Seek immediate medical attention.

ADVICE TO DOCTOR: Treat as Petroleum Distillate. **Show this MSDS to the Doctor.**

PRECAUTIONS FOR USE**Exposure Standards**

THRESHOLD LIMIT VALUE: U.S.A. ACGIH TLV 466 ppm. Exposure limits not known.

Engineering Controls

Use in a well ventilated area, and ensure ventilation is adequate to maintain concentration below exposure standards.

Personal Protection

RESPIRATOR: The use of a respirator depends on vapour concentration above the time-weighted TLV. Use half-face filter respirator suitable for organic vapours.

PROTECTIVE GLOVES: The use of PVC gloves is advised to prevent skin irritation in sensitive individuals.

EYE PROTECTION: Use safety glasses or face shield to safeguard against potential eye contact.

Flammability

FIRE HAZARDS: Combustible liquid. Keep work areas free of hot metal surfaces, and other sources of ignition. Never use a welding or cutting torch on or near drum (even empty), because product (even residue) can ignite explosively.

HAZCHEM CODE: 3 [Y].

VENTILATION: Provide sufficient local exhaust, or mechanical ventilation to maintain exposure below TLV's.

SAFE HANDLING INFORMATION

LOCATION: Store below 38°C, (100° F) under cover and away from sunlight.

STORAGE INCOMPATIBILITIES: Store away from strong oxidising agents, strong acids or bases and selected amines.

STORAGE AND HANDLING: Keep container cool, dry and away from sources of ignition. Store in an area with adequate ventilation. Personnel should avoid inhaling vapours. Should product splash on a person, remove saturated clothing, and wash contaminated area. Launder clothing before re-use.

VENTILATION: Provide sufficient mechanical and / or local ventilation to maintain below TLV's.

CONTAINERS / PACKAGES: Containers are High Density Poly Ethylene or Steel, and outer packages comply with Australian Code for the Transportation of Dangerous Goods by Road and Rail.

DANGEROUS GOODS CLASSIFICATION: (2 litres or more) Petroleum Distillates N.O.S., UN CODE 1268, FLAMMABLE CLASS 3[Y].

PACKAGING GROUP III. Earth Bulk Containers to prevent static electricity discharge.

Spills and Disposal

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Keep sources of ignition, and hot metal surfaces isolated from the spill. Flush spilled material into suitable areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into a suitable absorbent.

WASTE DISPOSAL METHOD: Dispose of product in accordance with local Council and EPA Regulations.

Fire / Explosion Hazard

FIRE HAZARDS: U.S.A. NATIONAL FIRE PROTECTION ASSN. HAZARD 1. Combustible liquid. Keep work areas free of hot metal surfaces, and other sources of ignition. Never use a welding or cutting torch on or near drum (even empty), because product (even residue) can ignite explosively. Hazardous polymerisation will not occur. Thermal decomposition in the presence of air may yield carbon monoxide and / or carbon dioxide.

REACTIVITY HAZARD – U.S.A. NATIONAL FIRE PROTECTION ASSN. HAZARD 0.

FIRE FIGHTING RECOMMENDATIONS - EXTINGUISHING MEDIA:

Foam, CO₂, or dry chemical fire fighting apparatus. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. May produce toxic fumes of Carbon Monoxide if burned in a confined space.

PROTECTIVE CLOTHING: Self-contained breathing apparatus is recommended for fire fighters.

OTHER INFORMATION

TOXICITY: Toxic. May produce toxic fumes of Carbon Monoxide if burned in a confined space.

CARCINOGENIC: Category 2.

BIODEGRADABILITY: Non-biodegradable. Can be broken down by detergents and surfactants used for petroleum product spills.

CONTACT POINT Corporate Consulting Engineer (07) 3261 8164

ENVIRONMENTAL PROTECTION STATEMENT

Non-biodegradeable. Avoid contaminating waterways.

USER NOTES:

This information relates to the specific material designated, and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability or completeness of such information for their own particular use. We do not accept any liability for any loss or damage that may occur from the use of this information.

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