

MATERIAL SAFETY DATA SHEET

PRO-MA DT5 Plus DIESEL TREATMENT

COMPANY DETAILS:

PRO-MA SYSTEMS (CANADA) INC
#120, 6330-12 ST SE
CALGARY, AB T2H 2X2
TELEPHONE (403) 258-2115 FAX (403) 252-3161

EMERGENCY TELEPHONE:

1(613)996-6666
Use in case of chemical emergency only.

IDENTIFICATION

PRO-MA DT5 Diesel Treatment
UN Number: UN 1268 Petroleum Distillates N.O.S. (Not otherwise specified).
Dangerous Goods Class: 3 Flammable
Hazchem Code: 3 (Y)
Packaging Group: III

Product Code 82,003,-28,-44,-85
Subsidiary Risk: None Allocated
Poisons Schedule No: None Allocated
Pack Size: 1, 4, 20 and 208 litre containers

USE

Diesel Fuel Additive containing special ashless lubricant, for all engines using No. 1 and No. 2 Distillate Fuel. Add specified quantity to tank prior to topping up fuel tank or bulk supply.

PHYSICAL DESCRIPTION/PROPERTIES

Amber light liquid, having a slight hydrocarbon odour.

Boiling Point	155 - 213°C (312-416°F)	Specific Gravity: Water = 1 .802 @ 15.5 °C (60°F)
Vapour Pressure:	2 mm Hg @ 25°C (77°F)	Flash Point, Tag Closed Cup: 41.1°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
Oxidizing Properties	Incompatible with strong oxidizing acids.	
Reactivity:	Stable. Hazardous polymerization 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: .802 Specific Gravity @ 15.5°C (60°F)

INGREDIENTS

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

PROPORTION:	Solvents	<60%
Additives (Proprietary formulation, below SARA III requirements)		>10%
Poly Butane Ashless Lubricant		>10%

HEALTH HAZARD INFORMATION

U.S.A. NATIONAL FIRE PROTECTION ASSN. HAZARD 1.

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.

FIRST AID: CONTACT NEAREST POISON CONTROL CENTER. 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 vapor concentrations, victim should seek air free of vapors. 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 Doctor.

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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 vapor concentration above the time-weighted TLV. Use half-face filter respirator suitable for organic vapors.

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.

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

HAZCHEM CODE: 3 [Y].

SAFE HANDLING INFORMATION

LOCATION: Store below 38°C under cover and away from sunlight.

STORAGE INCOMPATIBILITIES: Store away from strong oxidizing 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 vapors. 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.

DANGEROUS GOODS CLASSIFICATION / SUBSIDIARY RISK: Petroleum Distillates N.O.S., UN CODE 1268, FLAMMABLE CLASS 3 [Y],

PACKAGING GROUP III.

SPILLS AND DISPOSAL

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Keep sources of ignition, and hot metal surfaces isolated from 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 Regulations.

FIRE/EXPLOSION HAZARD

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. Hazardous polymerization will not occur. Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

REACTIVITY HAZARD - U.S.A. National Fire Protection Association Standard: 0

FIRE FIGHTING RECOMMENDATIONS - EXTINGUISHING MEDIA: Foam, CO₂, or dry chemical. 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 in an enclosed or confined space.

OTHER INFORMATION

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

CARCINOGENIC: Does not contain any ingredients or combustion residues currently known to be carcinogenic.

BIODEGRADABILITY: Not biodegradable. Can be broken down by detergents and surfactants used for petroleum product spills.

THESE MATERIAL SAFETY DATA SHEETS MEET THE REQUIRED WHMIS STANDARDS ACCORDING TO CONTROL PRODUCT REGULATIONS SCHEDULE SOR/88-66

/msdsdie