

MATERIAL SAFETY DATA SHEET

PRO-MA ONE SHOT CONCENTRATED FUEL SYSTEM CLEANER

COMPANY DETAILS:

PRO-MA SYSTEMS (CANADA) INC
#120, 6330-12 ST SE
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Use in case of chemical emergency only

IDENTIFICATION

One Shot Fuel System Cleaner Product Codes: 1 case 6 x 200ml 80036
UN Number: UN 1268 Petroleum Distillates N.O.S (not otherwise specified)
Dangerous Goods Class: 3 flammable None Allocated
Hazchem Code: 3 [Y] (2 litres or more) Poisons Schedule No: S 5
Packaging Group :III Pack size: 200 ml HCPE Bottles

Use

One Shot Gasoline additive for all types of engines using Lead Replacement Gasoline and Unleaded Gasoline. Add total bottle contents (200 ml) to tank prior to topping up. The product works as you drive.

Physical Description / Properties

Red colored liquid, having a slight hydrocarbon odour.

Boiling Point:	159-235 °C (318-456 °F)	Specific Gravity: Water = 1	.777
Vapour Pressure:	2mm Hg @ 25 °C (77 °F)	Flash Point, Pensky Martens:	48.8 °C (120 °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 oxidizing agents, strong acids or bases, and selected amines.		
Reactivity:	Stable. Hazardous polymerization will not occur. Thermal decomposition in the presence of air may yield carbon monoxide and / or carbon dioxide.		
Evaporate Rate:	(n-BuAC=1).01, (Ether = 1) 70	pH:	Not relevant
Solubility:	Soluble in gasoline, and similar organic solvents.		
Percent volatiles:	92%	Bulk Density: 0.777 Specific Gravity @ 15.5 °C (60 °F)	

Ingredients

CHEMICAL ENTITY CAS No. 8052-41-3 A Stoddard Solvent base, containing as properties, a surfactant, an upper cylinder lubricant, and non-metallic combustion modifiers. 466ppm

PROPORTION: Solvents 100ppm
Additives (Proprietary formulation, below SARA III requirements) 75ppm

Health Hazard Information

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

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

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 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 vapor concentrations. Victims 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 92 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 bottles (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 40 °C, (104 °F) under 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. Personal should avoid inhaling vapours. Should product splash on a person, remove saturated clothing, and wash contamination area.

Launder clothing before re – use. Store below 40 °C. (104 °F) under cover, and away from sunlight.

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

CONTAINER / 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. Package HDPE material.

DANGEROUS GOODS CLASSIFICATION: (2 litres or more). 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 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, State and Federal 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 bottle/s (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.

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

FIRE FIGHTING RECOMMENDATION – EXTINGUISHING MEDIA: Foam, 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: Not biodegradable. Can be broken down by detergents and surfactants used for petroleum product spills.

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.