



SAFETY DATA SHEET

1. Product And Company Identification

SDS ID: SDS 450
PRODUCT NAME: Prestone® 0-60 Booster
PRODUCT NUMBER: AS740, AS-742, 50048
FORMULA NUMBER: 2138-96, 2156-160B, 2488-5

MANUFACTURER:	CANADIAN OFFICE:	MEXICO OFFICE:
Prestone Products Corporation	AutoSupply Acquisition Canada Inc.	ASG Operations Mexico S. de R.L. de C.V.
69 Eagle Rd.	33 MacIntosh Blvd.	Carretera Mexico Cuautitlan, Kilometro 31.5, Nave Industrial 5,
Danbury, CT 06810	Concord, ON L4K 4L5	Loma Bonita, Cuautitlan, Mexico, 54800

MEDICAL EMERGENCIES AND ALL OTHER INFORMATION PHONE NUMBER:

(888)269-0750 (in the US and Canada)
01-800-715-4135 (in Mexico)

TRANSPORTATION EMERGENCY PHONE NUMBER (Chemical Spills and Transport Accidents only):

CHEMTREC 1-800-424-9300 (in the US and Canada) +1 703 741-5970 (outside the US and Canada)

PRODUCT USE: Automobile Fuel Additive – consumer use
RESTRICTIONS ON USE: None identified

2. Hazards Identification

GHS/HAZCOM 2012 Classification:

Health	Physical
Acute Toxicity - Inhalation Category 3 Aspiration Toxicity Category 1 Skin Irritant Category 2 Carcinogen Category 2	Flammable Liquid Category 3

Label Elements



DANGER!

H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation
H331 Toxic if inhaled
H351 Suspected of causing cancer

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.

P240 Ground or bond container and receiving equipment
P241 Use explosion-proof electrical, ventilating, and lighting equipment.
P242 Use only non-sparking tools.
P243 Take action to prevent static discharge.
P261 Avoid breathing vapors.
P264 Wash exposed skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, protective clothing, and eye protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332 + P313 If skin irritation occurs: Get medical attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P311 Call a POISON CENTER, or doctor.
P308 + P313 IF exposed or concerned: Get medical advice.
P370 + P378 In case of fire: Use water fog, foam, carbon dioxide or dry chemical to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

P501 Dispose of contents and container in accordance with local and national regulations.

3. Composition/Information on Ingredients

Component	CAS No.	Amount
Refined Petroleum Distillates	8052-41-3 64742-47-8 64742-95-6	60-100%
Nonane	111-84-2	0-10%
1,2,4-Trimethylbenzene	95-63-6	1-10%
Methylcyclopentadienyl Manganese Tricarbonyl (MMT)	12108-13-3	< 2%
Naphthalene	91-20-3	<0.6%
Cumene	98-82-8	<0.5%

The exact concentrations are a trade secret.

4. First Aid Measures

INHALATION: If symptoms of exposure develop, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek immediate medical attention.

SKIN CONTACT: Remove contaminated clothing immediately. Wash all affected and exposed areas with soap and water. If skin irritation or symptoms of exposure develop, seek medical attention.

EYE CONTACT: Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. If irritation, pain, swelling or tearing persist, seek medical attention.

INGESTION: Do NOT induce vomiting. Seek immediate medical attention. Immediately call local poison control center or go to an emergency department. Never give anything by mouth to or induce vomiting in an unconscious or drowsy person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs.



MOST IMPORTANT SYMPTOMS: May cause eye irritation. Causes skin irritation and drying of the skin. Harmful if inhaled. Inhalation euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, and unconsciousness. Swallowing may cause nausea, vomiting and diarrhea. This product is an aspiration hazard; product can enter the lungs during swallowing or vomiting and cause lung damage. Suspected of causing cancer based on animal data.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NEEDED: Seek immediate medical attention for ingestion, and excessive inhalation exposures.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and clinical conditions. A serious potential effect is aspiration pneumonitis, which may lead to non-cardiogenic pulmonary edema. The patient should be observed for signs of lung injury if aspiration is suspected.

5. Firefighting Measures

SUITABLE EXTINGUISHING MEDIA: Use carbon dioxide, foam or dry chemical to extinguish the fire. Water is not an effective extinguishing agent but may be used to cool fire exposed containers.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Flammable liquid. Product may form combustible mixtures at temperatures at or below the flashpoint. Runoff to sewer may cause fire or explosion hazard. Vapors are heavier than air and may travel along the ground or be moved by ventilation and be ignited by heat, flame or spark at locations distant from the material handling point. Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides, manganese oxide and reactive hydrocarbons.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

6: Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Eliminate all ignition sources. Ventilate area. Wear appropriate protective clothing and equipment (See Section 8).

METHODS AND MATERIALS FOR CONTAINMENT/CLEANUP: Collect material using non-combustible absorbents and disposal in a container suitable for flammable waste.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Harmful or Fatal if Swallowed. Contains petroleum distillates. Avoid eye contact. Avoid contact with skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Wash exposed skin thoroughly with soap and water after use. Keep container away from heat, sparks, flames and other sources of ignition. Keep containers closed when not in use.

Empty containers retain product residue and may be hazardous. Do not cut, weld, drill, etc. containers, even empty. Do not reuse empty containers unless properly cleaned.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container away from heat, sparks, flames and other sources of ignition. Store in a cool, dry area away from heat, oxidizers and all sources of ignition.

NFPA CLASSIFICATION: II

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES

CHEMICAL	EXPOSURE LIMIT
Refined Petroleum Distillates	100 ppm TWA ACGIH TLV 500 ppm TWA OSHA PEL
Nonane	200 ppm TWA ACGIH TLV
1,2,4-Trimethylbenzene	25 ppm TWA ACGIH TLV
Methylcyclopentadienyl manganese tricarbonyl (MMT) as Mn	0.2 mg/m ³ TWA ACGIH TLV (Skin) 5 mg/m ³ Ceiling OSHA PEL
Naphthalene	10 ppm TWA OSHA PEL 10 ppm TWA ACGIH TLV skin 15 ppm ACGIH STEL
Cumene	50 ppm TWA OSHA PEL skin 50 ppm TWA ACGIH TLV

APPROPRIATE ENGINEERING CONTROLS: General ventilation should be adequate for all normal use. For operations where the exposure limits may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None under normal use conditions. For operations where the exposure limit may be exceeded, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

GLOVES: Impervious gloves such as rubber, nitrile or neoprene recommended for operations which may result in prolonged or repeated skin contact.

EYE PROTECTION: Splash-proof goggles recommended.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: Appropriate protective clothing as needed to minimize skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be immediately removed and laundered before re-use.

9. Physical and Chemical Properties
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APPEARANCE:	Clear, light amber liquid. Darkens with exposure to sunlight.	ODOR:	Hydrocarbon
ODOR THRESHOLD:	Not determined.	pH:	Not determined
MELTING/FREEZING POINT:	Not determined	BOILING POINT/RANGE:	330-364°F (165.5-184.4°C)
FLASH POINT:	110-122°F (43-50°C) Setaflash	EVAPORATION RATE:	<1 (Butyl Acetate = 1)
FLAMMABILITY (SOLID, GAS)	Flammable Liquid	FLAMMABILITY LIMITS:	LEL: Not determined UEL: Not determined
VAPOR PRESSURE:	Not determined	VAPOR DENSITY: (Air=1)	>1
RELATIVE DENSITY:	0.77-0.78	SOLUBILITIES	Water: Insoluble
PARTITION COEFFICIENT (n-octanol/water)	Not determined	AUTOIGNITION TEMPERATURE:	Not determined



DECOMPOSITION TEMPERATURE:	Not determined	VISCOSITY:	Cst at 100°C: <1
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10. Stability and Reactivity

REACTIVITY: Normally unreactive

CHEMICAL STABILITY: Stable

POSSIBILITY OF HAZARDOUS REACTIONS: Reaction with strong oxidizers will generate heat.

CONDITIONS TO AVOID: Keep away from heat, sparks and open flames. Exposure to ultraviolet light causes the product to darken.

INCOMPATIBLE MATERIALS: Strong oxidizing agents and reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce carbon monoxide, carbon dioxide, nitrogen oxides, manganese oxides and reactive hydrocarbons.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION: Excessive inhalation of vapor or mist may cause irritation of the nose, throat and respiratory tract. May cause harmful central nervous system effects including, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death.

SKIN CONTACT: May cause irritation, seen as localized reddening and swelling. Prolonged or repeated exposure to this material may cause redness, burning, drying and cracking of the skin. Methylcyclopentadienyl manganese tricarbonyl (MMT) is rapidly absorbed through the skin to cause nervous system effects.

EYE CONTACT: May cause eye irritation with discomfort, tearing and blurred vision.

INGESTION: Swallowing may cause gastrointestinal disturbances including irritation, abdominal pain, belching, nausea, vomiting, frequent loose stools and diarrhea. Ingestion of large quantities may cause harmful central nervous system effects similar those listed under "Inhalation". This material is an aspiration hazard; product can enter the lungs during swallowing or vomiting and cause lung inflammation and damage.

CHRONIC EFFECTS: Chronic exposure to manganese compounds may result in kidney, liver, lung and nervous system damage. Reports have associated repeated and prolonged overexposure to petroleum distillates with adverse liver, kidney and bone marrow effects and with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the product may be harmful or fatal.

CARCINOGENICITY LISTING: Naphthalene and cumene are listed as possibly carcinogenic to humans (Group 2B) by IARC and reasonably anticipated to be a carcinogen by NTP. None of the other components greater than 0.1% are listed as a carcinogen by IARC, NTP, ACGIH, or OSHA.

ACUTE TOXICITY VALUES:

Calculated ATE for product: ATE Oral: >2000 mg/kg
 ATE Dermal: >2000 mg/kg
 ATE Inhalation: 6.72 mg/L/4 hr.



Refined Petroleum Distillates: LD50 Oral Rat: >5000 mg/kg
LD50 Skin Rabbit: >3,000 mg/kg
LC50 Inhalation rat: >5,500 mg/m³/4hr.

Nonane: LC50 Inhalation Rat: 32,000 ppm/4 hr.

1,2,4-Trimethylbenzene: LD50 Oral Rat: 5,000 mg/kg
LC50 Inhalation Rat: 18,000 mg/m³/4 hr.

Naphthalene: LD50 Oral Rat: 490 mg/kg
LD50 Skin Rabbit: >20,000 mg/kg
LC50 Inhalation Rat: >340 mg/m³/1 hr.

Methylcyclopentadienyl Manganese tricarbonyl:
LD50 Oral Rat: 51.8 mg/kg
LC50 Inhalation Rat: 0.076 mg/L/4 hours
LD50 Skin Rabbit: 140 mg/kg

Cumene: LD50 Oral Rat 2700 mg/kg
LD50 Skin Rabbit >3160 mg/kg
LC50 Inhalation Rat 22.1 mg/L/1 hr

12. Ecological Information

ECOTOXICITY:

1,2,4-Trimethylbenzene:
LC50 Fathead Minnow 7.72 mg/L/96 hr.
EC50 Daphnia Magna 6.14 mg/L/48 hr.

Naphthalene: LC50 Oncorhynchus gorbuscha (pink salmon) 1.4 mg/L/96

Methylcyclopentadienyl Manganese tricarbonyl:
LC50: Cyprinus carpio 0.21 mg/L/96 hr.
EC50 Daphnia: 0.83 mg/L/48 hr.

PERSISTENCE AND DEGRADABILITY:

1,2,4-Trimethylbenzene: Reached 4-18% of its theoretical BOD in 4 weeks.
Naphthalene: Reached 2% of its theoretical BOD in 4 weeks.
Methylcyclopentadienyl Manganese tricarbonyl: Less than 25% degradation occurred within 14 days.

BIOACCUMULATIVE POTENTIAL:

Nonane: The potential for bio concentration in aquatic organisms is very high. BCF 12000
1,2,4-Trimethylbenzene: Bio concentration in aquatic organisms is moderate to high.
Naphthalene: BCF 23 to 146, these BCF values suggest the potential for bio concentration in aquatic organisms is low to high.
Methylcyclopentadienyl Manganese tricarbonyl: The bioaccumulation factor of organic manganese (derived from MMT) in fish is in the order of 200 already after 24 hours. The bioaccumulation in the plants was higher than in the fish, reaching a BCF value of 400, after 24 hours.

MOBILITY IN SOIL:

Nonane: Is expected to be immobile in soil. Kow 5.65
1,2,4-Trimethylbenzene: Will have low mobility in soil.
Naphthalene: Is expected to have moderate to low mobility in soil

OTHER ADVERSE EFFECTS: May be harmful to the aquatic environment with long lasting effects.



13. Disposal Considerations

Dispose of product as hazardous waste (ignitable) in accordance with all local, state/provincial and federal regulations.

14. Transport Information

Consumer Commodity Status: This product is a consumer product and inner packaging 5 L/1.3 gal capacity or smaller and a gross mass for the package not exceeding 30 kg/66 lbs meet the criteria for shipment as a limited quantity for both ground and vessel shipment. Because the flashpoint exceeds 37.8°C (100°F) and the product does not meet the definition of any other hazard class and is not a hazardous substance, hazardous waste or marine pollutant, the combustible liquid (flammable liquid for Canada) exception has been taken for US and Canadian ground transportation. This product can be shipped by road and rail as a non-regulated shipment in non-bulk packaging (450 L/119 gal or less) using these exceptions. This exception does not apply to international vessel shipments under the IMDG Code so this product is regulated for shipment by that mode. The IMDG limited quantity provisions apply to shipments with inner packaging 5 L or smaller and gross mass for the package not exceeding 30 kg. Additionally limited quantities are exempted from marking of the UN number and Proper Shipping Name on the packaging (see IMDG Code 3.4).

U.S. DOT HAZARD CLASSIFICATION (For Ground Shipments Only)

PROPER SHIPPING NAME: Excepted from HazMat Regulations (49CFR 173.150f)

TECHNICAL NAME: None

UN NUMBER: None

HAZARD CLASS/PACKING GROUP: Not Applicable

LABELS REQUIRED: None

DOT MARINE POLLUTANTS: This product is a US Marine Pollutant. This product is only regulated as a Marine Pollutant when shipped in bulk or by vessel in inner packagings or single packagings greater than 5 L or 5 kg.

IMDG CODE SHIPPING CLASSIFICATION

This product is classified as a Marine Pollutant (Environmentally Hazardous Substance) in accordance with the IMDG Code and the UN Model Regulations. However, if it is packaged in either single packages or inner packagings in combination packages containing net quantities of less than 5 kg/5 L, the Marine Pollutant does not apply (IMDG Code 2.10.2.7).

Containers not over 5 L

DESCRIPTION: UN1993, FLAMMABLE LIQUID, N.O.S. (Petroleum Distillates, 1,2,4-Trimethylbenzene), 3, PG III, FP 43 C, LTD QTY

ID NUMBER: UN1993

HAZARD CLASS/PACKING GROUP: 3, III

LABELS REQUIRED: LIMITED QUANTITY

PLACARDS REQUIRED: LIMITED QUANTITY

Containers over 5 L

DESCRIPTION: UN1993, FLAMMABLE LIQUID, N.O.S. (Petroleum Distillates, 1,2,4-Trimethylbenzene), 3, PG III, FP 43 C, MARINE POLLUTANT

CANADIAN TDG CLASSIFICATION (For Ground Shipments Only)

PROPER SHIPPING NAME: Excepted from Regulation (Section 1.33)

TECHNICAL NAME: None

UN NUMBER: None

HAZARD CLASS/PACKING GROUP: None

LABELS REQUIRED: None

IATA/ICAO SHIPPING CLASSIFICATION:

These products are not suitable for shipment by air.



15. Regulatory Information

EPA SARA 311/312 HAZARD CLASSIFICATION: Acute Health, Chronic Health, Fire Hazard

EPA SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Pseudocumene (1,2,4-Trimethylbenzene)	95-63-6	1-10%
Naphthalene	91-20-3	<0.6%
Cumene	98-82-8	<0.5%

PROTECTION OF STRATOSPHERIC OZONE: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Methylcyclopentadienyl manganese tricarbonyl (MMT) (2% maximum) of 100 lbs., is 5,000 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

CALIFORNIA PROPOSITION 65: This product contains the following chemicals known to the State of California to cause cancer and reproductive harm:

Naphthalene	91-20-3	<0.05%	cancer
Cumene	98-82-8	<0.5%	cancer
Ethylbenzene	100-41-4	<35 ppm	cancer

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the ingredients are listed on the Canadian Domestic Substances List.

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS): All of the ingredients are listed on the EINECS inventory.

AUSTRALIA: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

KOREA: All of the ingredients of this product are listed on the Korean Existing Chemicals List (KECL).

PHILIPPINES: All of the ingredients of this product are listed on the Philippine Inventory of Chemical and Chemical Substance (PICCS)

CHINA. All of the ingredients of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

NEW ZEALAND: All of the ingredients of this product are listed on the New Zealand Inventory of Chemicals (NZIoC)

16. Other Information

NFPA Rating: Fire: 2 Health: 3 Instability: 0

REVISION SUMMARY: Section 14 Transport Information



SDS Date of Preparation/Revision: January 20, 2017

This SDS is directed to professional users and bulk handlers of the product. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations.

While Prestone Products Corporation believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of tests conducted, the data are not to be taken as a warranty or representation for which Prestone Products Corporation assumes legal responsibility. They are offered for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.