



SAFETY DATA SHEET

1. Product And Company Identification

SDS ID: SDS 482
 PRODUCT: PRESTONE® Diesel Fuel Treatment
 PRODUCT NUMBER: AS760, AS760SP, 50089
 FORMULA NUMBER: 2187-85, 2187-128, 2488-6

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

RESTRICTIONS ON USE: None identified

2. Hazards Identification

GHS/HAZCOM 2012 Classification:

Health	Physical
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
 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
P264 Wash exposed skin thoroughly after handling.
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.
P308 + P313 IF exposed or concerned: Get medical advice.
P370 + P378 In case of fire: Use carbon dioxide, alcohol-foam 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
Petroleum Distillates	8052-41-3 64742-94-5	60-100%
Nonane	111-84-2	0-10%
Trimethylbenzenes	25551-13-7	1-5%
Naphthalene	91-20-3	<0.7%

The exact concentrations are a trade secret.

4. First Aid Measures

INHALATION: Remove the victim to fresh air. If breathing has stopped administer artificial respiration. If breathing is difficult, have medical personnel administer oxygen. Get medical attention.

SKIN CONTACT: Remove contaminated clothing. Immediately wash contacted area thoroughly with soap and water. If irritation persists, get medical attention.

EYE CONTACT: Immediately flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.

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. Inhalation may cause headache, dizziness, drowsiness, nausea, 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.

NOTES TO PHYSICIAN: If clinically indicated, stomach contents should be evacuated carefully in a manner which avoids aspiration. The airway must be protected. 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! Vapors are heavier than air and may flow along surfaces to distant ignition sources and flashback. Vapors will form explosive mixtures with air. Burning may produce carbon monoxide, carbon dioxide, aldehydes and oxides of nitrogen.

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 contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Wash exposed skin thoroughly with soap and water after use. Flammable Liquid! Do not smoke during use.

Do not reuse empty containers unless properly cleaned. Empty containers retain product residues and may be hazardous. Do not flame cut, drill, weld, etc. on or near empty containers, even empty.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
 Keep container away from heat, sparks, open flames and all other sources of ignition. Store in a cool, well-ventilated area.

NFPA CLASSIFICATION: II

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES

CHEMICAL	EXPOSURE LIMIT
Petroleum Distillates	500 ppm TWA OSHA PEL 100 ppm TWA ACGIH TLV skin
Nonane	200 ppm TWA ACGIH TLV
Trimethylbenzenes	25 ppm TWA ACGIH TLV
Naphthalene	10 ppm TWA OSHA PEL 10 ppm TWA ACGIH TLV skin 15 ppm ACGIH STEL

APPROPRIATE ENGINEERING CONTROLS: Use general ventilation or local exhaust as required to maintain exposures below the occupational exposure limits.



PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: For operations where the exposure limit is exceeded a NIOSH approved respirator with organic vapor cartridges and dust/mist prefilters or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select and use in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

GLOVES: Chemical resistant gloves such as nitrile rubber where contact is possible.

EYE PROTECTION: Safety glasses or splash-proof goggles.

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 removed and laundered before re-use.

9. Physical and Chemical Properties

APPEARANCE:	Clear, light yellow liquid	ODOR:	Hydrocarbon
ODOR THRESHOLD:	Not determined.	pH:	Not determined
MELTING/FREEZING POINT:	Not determined	BOILING POINT/RANGE:	334-365°F (167.7-180°C)
FLASH POINT:	115-122°F (46-50°C) Setaflash	EVAPORATION RATE: (Butyl Acetate = 1)	<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

10. Stability and Reactivity

REACTIVITY: Normally unreactive

CHEMICAL STABILITY: Stable

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

CONDITIONS TO AVOID: Heat, sparks, flames and all other sources of ignition.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, oxides of nitrogen and aldehydes.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION: May cause irritation of the nose and throat with headache, particularly from mists. High vapor concentrations caused, for example, by heating the material in an enclosed and poorly ventilated workplace, may produce nausea, vomiting,



headache, dizziness and irregular eye movements.

SKIN CONTACT: Prolonged contact with the skin may cause irritation, defatting of the skin or dermatitis.

EYE CONTACT: Liquid, vapors or mist may cause irritation of the eyes with possible injury if not removed promptly.

INGESTION: May cause abdominal discomfort or pain, nausea, vomiting and diarrhea. Swallowing large amounts may cause harmful effects with symptoms similar to those listed under inhalation. Aspiration during swallowing or vomiting may cause lung damage.

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

CARCINOGENICITY LISTING: Naphthalene is listed as possibly carcinogenic to humans (Group 2B) by IARC and is 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: >5000 mg/kg ATE Dermal: >5000 mg/kg
Petroleum Distillates:	LD50 Oral Rat: >5000 mg/kg LD50 Skin Rabbit: >3,000 mg/kg LC50 Inhalation rat: >5,500 mg/m ³ /4hr.
Nonane:	LC50 Inhalation Rat: 32,000 ppm/4 hr.
Trimethylbenzenes:	LD50 Oral Rat: 5,000 mg/kg LC50 Inhalation Rat: 18,000 mg/m ³ /4 hr.
Naphthalene:	LD50 Oral Rat: 490 mg/kg LD50 Skin Rabbit: >20,000 mg/kg LC50 Inhalation Rat: >340 mg/m ³ /1 hr.

12. Ecological Information

ECOTOXICITY:

Trimethylbenzenes:

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

PERSISTENCE AND DEGRADABILITY: Trimethylbenzenes: Reached 4-18% of its theoretical BOD in 4 weeks.

Naphthalene: Reached 2% of its theoretical BOD in 4 weeks

BIOACCUMULATIVE POTENTIAL: Nonane: The potential for bio concentration in aquatic organisms is very high. BCF 12000. Trimethylbenzenes: 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.

MOBILITY IN SOIL: Nonane: Is expected to be immobile in soil. Kow 5.65. Trimethylbenzenes: 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.

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: Exempted from HazMat (49 CFR 173.150(f))
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 5L

DESCRIPTION: UN1993, FLAMMABLE LIQUID N.O.S. (PETROLEUM DISTILLATES, TRIMETHYLBENZENE), CLASS 3, PGIII, FP 46 C, LTD QTY
ID NUMBER: UN1993
HAZARD CLASS/PACKING GROUP: 3, III
LABELS REQUIRED: LIMITED QUANTITY
PLACARDS REQUIRED: LIMITED QUANTITY

Containers over 5L

DESCRIPTION: UN1993, FLAMMABLE LIQUID N.O.S. (PETROLEUM DISTILLATES, TRIMETHYLBENZENE), CLASS 3, PGIII, FP 46 C, MARINE POLLUTANT

CANADIAN TDG CLASSIFICATION (For Ground Shipments Only)
PROPER SHIPPING NAME: Exempted from Regulation (Section 1.33)
TECHNICAL NAME: None
UN NUMBER: None
HAZARD CLASS/PACKING GROUP: Not Applicable
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

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

Trimethylbenzenes (as 1,2,4-Trimethylbenzene)	25551-13-7	1-5%
Naphthalene	91-20-3	<0.7%

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 Naphthalene (0.7% maximum) of 100 pounds, is 14,285 pounds. Oil spills are reportable to the National Response Center under the Clean Water Act and 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 which are known to the State of California cause cancer and/or reproductive harm:

Naphthalene	91-20-3	<0.7%	cancer
Benzene	73-41-2	<15 ppb	Developmental , male reproductive toxicity, 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).

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

PHILIPPINES: All of the components of this material are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

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: 2 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.