



MATERIAL SAFETY DATA SHEET

1. Product And Company Identification

MSDS ID: MSDS294
 PRODUCT NAME: Prestone ® Stop Leak
 PRODUCT NUMBER: AS147, AS157, 70597
 FORMULA NUMBER: 2033-30, NB2100-62-1, NB2100-62-2, NB2100-62-3, NB2100-62-4

MANUFACTURER: Prestone Products Corporation
 Danbury, CT 06810-5109

CANADIAN OFFICE: FRAM Group (Canada), Inc.
 Mississauga, Ontario L5L 3S6

MEDICAL EMERGENCIES AND ALL OTHER INFORMATION PHONE NUMBER:

(800)890-2075 (in the US)
 (800)668-9349 (in Canada)

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

CHEMTREC 1-800-424-9300 (in the US)
 CANUTEC (613)996-6666 (in Canada)

CHEMTREC 1-703-527-3887 (outside US)
 MSDS DATE OF PREPARATION/REVISION: 08/26/2011

PRODUCT USE: Stops leaks in automobile cooling system

2. Hazards Identification

Dark, cherry red liquid with black pellets.

EMERGENCY OVERVIEW

It is not flammable but will burn under fire conditions. Direct contact may cause minor eye and skin irritation.

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Petroleum Distillates	64742-65-0 64741-44-2 64742-54-7	60-85%
Sodium Petroleum Sulfonate	68608-26-4	0-15%
Soybean Meal	68308-36-1	5-20%
Proprietary Ingredients	Mixture	1-20%

(See Section 8 for Exposure Limits)

4. First Aid Measures

INHALATION: Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product or oil mist remove to fresh air. If breathing becomes difficult, administer oxygen if available. Get medical attention if breathing becomes difficult or symptoms persist.

SKIN CONTACT: Remove contaminated clothing and shoes. Wash all affected and exposed areas with soap and water. Get medical attention if skin irritation develops or persists.

EYE CONTACT: Exposed eyes should be immediately flushed with copious amounts of water, using a steady stream for a minimum of 15 minutes. If a contact lens is present, it should be removed while the eye it is being flushed. If irritation develops, seek medical attention.

INGESTION: Do not induce vomiting unless instructed to do so by medical personnel. If vomiting occurs spontaneously, keep head below the hips to prevent aspiration into the lungs. Seek immediate medical attention by calling a physician, poison control center or hospital emergency room.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment should be directed at the control of symptoms and the clinical condition. A serious potential toxic effect is aspiration pneumonitis. The patient should be observed for signs of lung injury if aspiration is suspected.

5. Firefighting Measures

EXTINGUISHING MEDIA: Use water spray, foam, carbon dioxide or dry chemical to extinguish fire. Cool fire exposed containers with water.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE HAZARDS: None.

HAZARDOUS COMBUSTION PRODUCTS: Combustion products may include carbon monoxide, carbon dioxide, nitrogen oxides, and reactive hydrocarbons.

6: Accidental Release Measures

Wear appropriate protective clothing and equipment (See Section 8). Ventilate area. Eliminate all sources of ignition. Collect for disposal. Large spills may be absorbed with vermiculite or similar material.

7. Handling and Storage

- Avoid eye and skin contact.
- Avoid breathing mists.
- Immediately remove contaminated clothing and laundered before re-use.
- Wash exposed skin thoroughly with soap and water after use.
- Do not heat this product or use in confined spaces without proper ventilation or respiratory protection.
- Store in a cool, dry, well ventilated area at temperatures below 125F.
- Do not add nitrites. This product contains amines which can combine with nitrites to form nitrosamines. Many nitrosamines have been found to cause cancer in laboratory animals.
- Empty containers retain product residues and may be dangerous.
- Do not cut, weld, drill, etc. containers, even empty.
- Do not incinerate empty containers.

NFPA CLASSIFICATION: IIIIB

8. Exposure Controls / Personal Protection

EXPOSURE LIMITS

CHEMICAL	EXPOSURE LIMIT	
Petroleum Distillates	5 mg/m ³ TWA OSHA PEL	5 mg/m ³ TWA NIOSH REL
	5 mg/m ³ TWA ACGIH TLV	10 mg/m ³ STEL NIOSH REL
	10 mg/m ³ STEL ACGIH TLV	2500 mg/m ³ NIOSH IDLH

Sodium Petroleum Sulfonate	None Established
Soybean Meal	15 mg/m ³ TWA OSHA PEL (nuisance dust)
Proprietary Ingredients	None Established

VENTILATION: General ventilation should be adequate for normal use. For operations where the TLV may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.

RESPIRATORY PROTECTION: None needed under normal use conditions. For operations where the TLV may be exceeded, a NIOSH approved organic vapor respirator with a dust/mist pre-filter or a 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 neoprene, rubber, or nitrile are recommended for operations which may result in prolonged or repeated skin contact.

EYE PROTECTION: Splash-proof chemical safety goggles are recommended.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: Protective clothing such as an apron, coverall, and boots if needed to prevent prolonged or repeated contact. Contaminated clothing should be immediately removed and laundered before re-use.

9. Physical and Chemical Properties

APPEARANCE AND ODOR: Dark, cherry red liquid with black pellets.

pH: Not Applicable	SPECIFIC GRAVITY: 0.886
BOILING POINT: Not determined	VAPOR PRESSURE: Not determined
FREEZING POINT: Not determined	VAPOR DENSITY: Not determined
SOLUBILITY IN WATER: Emulsifiable	EVAPORATION RATE: Not Determined
PERCENT VOLATILE: Not determined	VISCOSITY: 45 CST @ 104°F (40°C)
FLASH POINT: Greater than 200 F (Tag Open Cup)	AUTOIGNITION TEMP: Not determined
FLAMMABILITY LIMITS LEL: Not determined	UEL: Not determined
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not determined	

10. Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Keep away from open flames.

INCOMPATIBILITY: Avoid strong oxidizing agents and nitrites. This product contains amines which can combine with nitrites to form nitrosamines. Many nitrosamines have been found to cause cancer in laboratory animals.

DECOMPOSITION PRODUCTS: Combustion products may include carbon monoxide, carbon dioxide, nitrogen oxide and reactive hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION: Due to very low vapor pressure, vapor inhalation under ambient conditions is normally not a problem. But if mist forms or vapor from hot product forms in poorly ventilated surroundings, it may cause irritation of the nose and throat, headache, nausea, and drowsiness.

SKIN CONTACT: Brief skin contact may cause slight irritation. Prolonged contact, as with clothing wetted with the material, may cause more severe irritation and discomfort, seen as local redness and swelling.

EYE CONTACT: May cause minimal irritation, experienced as temporary discomfort.

INGESTION: Accidental ingestion of a small amount of the product is expected to have little acute toxicity. Mild mucous membrane irritation, nausea, vomiting, abdominal pain, belching and diarrhea may occur. Because of its high viscosity, the product has a low aspiration hazard potential.

CHRONIC EFFECTS: Prolonged or repeated skin contact with this product tends to remove skin oil possibly leading to irritation and dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: This product may aggravate an existing dermatitis (skin condition).

CARCINOGEN: None of the components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

Acute Toxicity Values:

Petroleum Distillates: LD50 Oral Rat: > 5 gm/kg
LD50 Skin Rabbit: >3 gm/kg

Sodium Petroleum Sulfonate: No acute toxicity values are available

12. Ecological Information

No ecotoxicity data is available at this time.

13. Disposal Considerations

Recycle, incinerate, or landfill in accordance with federal, state, and local regulations.

14. Transport Information

U.S. DOT HAZARD CLASSIFICATION

PROPER SHIPPING NAME: Not Regulated
TECHNICAL NAME: None
UN NUMBER: None
HAZARD CLASS/PACKING GROUP: Not applicable
LABELS REQUIRED: None

DOT MARINE POLLUTANTS: This product does not contain Marine Pollutants as defined in 49 CFR 171.8.

IMDG CODE SHIPPING CLASSIFICATION

DESCRIPTION:

ID NUMBER: Not Regulated
HAZARD CLASS: Not applicable
PACKING GROUP: Not applicable
LABELS REQUIRED: None
PLACARDS REQUIRED: None

CANADIAN TDG CLASSIFICATION

PROPER SHIPPING NAME: Not Regulated
TECHNICAL NAME: None
CLASS: None
UN NUMBER: None
PACKING GROUP: None

15. Regulatory Information

EPA SARA 311/312 HAZARD CLASSIFICATION: This product is not considered hazardous under OSHA and SARA Title III, Section 311.

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

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: This product is not subject to CERCLA reporting requirements, however, 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 does not contain chemicals regulated under California Proposition 65.

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.

CANADIAN WHMIS CLASSIFICATION: Not a controlled product

CANADIAN WHMIS HAZARD SYMBOLS: None

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

16. Other Information

NFPA RATING - FIRE: 1 HEALTH: 1 REACTIVITY: 0

REVISION SUMMARY: Section 1: Update company name and address.

This MSDS 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 the 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 solely 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.

If more information is needed, please contact: Prestone Products Corporation
69 Eagle Road
Danbury CT 06810



(800)-890-2075