

MATERIAL SAFETY DATA SHEET

1. Product And Company Identification

MSDS ID: MSDS102
PRODUCT NAME: Prestone® Super Radiator Cleaner
PRODUCT NUMBER: AS-101-6A, AS-101-6AP, 70861
FORMULA NUMBER: 13616-6A, 13616-6B, 2177-68, 2307-22

MANUFACTURER:
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INFORMATION PHONE NUMBER: (800)890-2075 (in the US) (800)668-9349 (in Canada)
EMERGENCY PHONE NUMBER: CHEMTREC (800)424-9300 (in the US) CANUTEC (613)996-6666 (in Canada)
MSDS DATE OF PREPARATION/REVISION: 03/05/09
PRODUCT USE: Automobile radiator cleaner – consumer product

2. Composition/Information On Ingredients

Component	CAS No.	Amount
Sodium Citrate	68-04-2	7-13%
Water and Non-hazardous Ingredients	Mixture	87-93%

(See Section 8 for Exposure Limits)

3. Hazards Identification

Clear to light amber liquid with a slight, sweet odor.

EMERGENCY OVERVIEW

This material is not combustible. Direct eye contact may cause transient discomfort. Not toxic by inhalation, skin contact or ingestion.

4. First Aid Measures

INHALATION: No adverse effects are expected.

SKIN CONTACT: Remove contaminated clothing and wash skin with soap and water.

EYE CONTACT: Immediately flush with water, holding open eyelids. Seek medical attention if irritation persists.

INGESTION: Large amounts may produce alkalosis. Seek medical attention if large amounts are ingested.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment should be directed at the control of symptoms and the clinical condition. Contact your Poison Control Center for specific consultation.

5. Firefighting Measures

EXTINGUISHING MEDIA: Use any media that is appropriate for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: None needed.

UNUSUAL FIRE HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce oxides of sodium and carbon.

6: Accidental Release Measures

Wear appropriate protective clothing and equipment (See Section 8). Collect with absorbent material and place in appropriate, labeled container for disposal or, if permitted flush spill area with water.

7. Handling and Storage

Avoid eye and prolonged or repeated skin contact.
Do not reuse empty containers unless properly cleaned.

8. Exposure Controls / Personal Protection

EXPOSURE LIMITS

CHEMICAL	EXPOSURE LIMIT
Citric Acid	None Established
Water and Non-hazardous Ingredients	None Established

VENTILATION: General ventilation is adequate for normal use.

RESPIRATORY PROTECTION: None normally needed.

GLOVES: None normally needed. For prolonged contact rubber or neoprene gloves can be worn.

EYE PROTECTION: Safety glasses or goggles recommended if splashing is possible.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: Appropriate protective clothing as needed to minimize skin contact.

9. Physical and Chemical Properties

APPEARANCE AND ODOR: Clear to light amber liquid with a slight, sweet odor.

pH: 8.3-9.9	SPECIFIC GRAVITY: 1.05-1.06
BOILING POINT (F): 215°F	VAPOR PRESSURE: same as water
FREEZING POINT (F): 27-30°F	VAPOR DENSITY: 1.04-1.05
SOLUBILITY IN WATER: Complete	PERCENT VOLATILE: 85-90%
VISCOSITY: Not determined	EVAPORATION RATE: 0.8 (Butyl Acetate=1)
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not determined	AUTOIGNITION TEMPERATURE: N/A
FLASH POINT: None to boiling	
FLAMMABILITY LIMITS: N/A	

10. Stability and Reactivity

STABILITY: Stable
CONDITIONS TO AVOID: None
INCOMPATIBILITY: None known.

DECOMPOSITION PRODUCTS: Burning will produce oxides of carbon and sodium.
HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION: No evidence of adverse effects from the available information.

SKIN CONTACT: No evidence of adverse effects from the available information.

SKIN ABSORPTION: No evidence of adverse effects from the available information.

EYE CONTACT: No evidence of adverse effects from the available information. Direct contact may cause transient discomfort.

INGESTION: Swallowing large amounts may cause alkalosis, an imbalance of the body's acid-base balance.

CHRONIC HAZARDS: None currently known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None currently known.

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

Acute Toxicity Values:

No toxicity data is available at this time.

12. Ecological Information

No ecotoxicity data is currently available for this product, however, it does contain 0.4% of a biocide.

13. Disposal Considerations

Dispose of product in accordance with all local, state/provincial and federal regulations.

14. Transport Information

U.S. DOT HAZARD CLASSIFICATION

PROPER SHIPPING NAME: Not Regulated

TECHNICAL NAME: N/A

UN NUMBER: N/A

HAZARD CLASS/PACKING GROUP: N/A

LABELS REQUIRED: N/A

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

IMDG CODE SHIPPING CLASSIFICATION

DESCRIPTION: Not Regulated

ID NUMBER: N/A
HAZARD CLASS: N/A
PACKING GROUP: N/A
LABELS REQUIRED: N/A
PLACARDS REQUIRED: N/A

CANADIAN TDG CLASSIFICATION

PROPER SHIPPING NAME: Not Regulated
ID NUMBER: N/A
HAZARD CLASS: N/A
PACKING GROUP: N/A
LABELS REQUIRED: N/A
PLACARDS REQUIRED: N/A

15. Regulatory Information

EPA SARA 311/312 HAZARD CLASSIFICATION: Not hazardous

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, 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.

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

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

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

JAPAN: All of the ingredients of this product are listed on the Japanese Existing and New Chemical Substances (MITI) List.

KOREA: All of the ingredients of this product are listed on the Korean Existing Chemical 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 Chinese Inventory of Existing Chemical Substances (IECSC).

16. Other Information

NFPA Rating: Fire: 0 Health: 0 Reactivity: 0

REVISION SUMMARY: Section 1: Update US information phone number.

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 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.

If more information is needed, please contact:

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