



# BRAKE PARTS CLEANER MSDSP417

## SECTION 1: IDENTIFICATION

PRODUCT NAME: PRESTONE Brake Parts Cleaner  
AS-305N  
Formula: 59206Z

MANUFACTURER: Prestone Products Corporation  
39 Old Ridgebury Road  
Danbury, CT 06810-5109

INFORMATION PHONE NUMBER: (203) 830-7800

EMERGENCY PHONE NUMBER: CHEMTREC 1-800-424-9300  
483-7161 in the District of Columbia

MSDS DATE OF PREPARATION/REVISION: 8/24/99

## SECTION 2: PRODUCT COMPONENTS

HAZARDOUS COMPONENTS	CAS#	PERCENT	EXPOSURE LIMITS
Heptane	142-82-5	10-20	500 ppm TWA OSHA PEL 400 ppm TWA ACGIH TLV 500 ppm STEL ACGIH TLV
Acetone	67-64-1	40-60	1000 ppm TWA OSHA PEL 500 ppm TWA ACGIH TLV 750 ppm STEL ACGIH TLV
Xylene	1330-20-7	10-20	100 ppm TWA OSHA PEL 100 ppm TWA ACGIH TLV 150 ppm STEL ACGIH TLV
Ethylbenzene	100-41-4	1-5	100 ppm TWA OSHA PEL 100 ppm TWA ACGIH TLV 125 ppm STEL ACGIH TLV
Propane Propellant Propellant	74-98-6	10-20	1000 ppm TWA OSHA PEL 2500 ppm TWA ACGIH TLV

## SECTION 3: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Extremely Flammable Aerosol! Vapors may cause flash fire. Contents under pressure. Heated can may rupture. Eye and skin irritant. Inhalation may cause headache, dizziness, drowsiness, nausea, narcosis and unconsciousness. Deliberate concentration and inhalation of vapors may be harmful or fatal.

### POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

**INHALATION:** Inhalation of high concentrations may produce eye and respiratory irritation and central nervous system effects including headache, dizziness, nausea, fainting, tremor, incoordination, muscular weakness, depressed respiration and heart rate, heart rhythm irregularities, shortness of breath, unconsciousness or death.

**SKIN CONTACT:** May cause irritation, seen as localized reddening and swelling.

**EYE CONTACT:** Liquid or vapors may be irritating, causing tearing, reddening and swelling accompanied by a stinging sensation.

**INGESTION:** This is an unlikely route of exposure with an aerosol product. Swallowing large amounts may cause central nervous system depression, acidosis, liver and kidney damage. May cause irritation of the mouth, esophagus and stomach resulting in nausea, vomiting and diarrhea. Aspiration into the lungs may occur during ingestion or vomiting, resulting in severe lung injury.

**CHRONIC HAZARDS:** Prolonged or repeated exposure to solvents may cause adverse effects of the liver, kidney and reproductive systems and with permanent brain and nervous system damage.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with preexisting diseases of the heart or central nervous system may have increased susceptibility to the toxicity of excessive exposure to the product's propellant.

**CARCINOGEN:** None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

#### **SECTION 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. Wash all affected and exposed areas with soap and water. If irritation or redness persists, 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:** Unlikely route of exposure with an aerosol container. Get immediate medical attention by calling Poison Control Center or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency treatment center or hospital. Rinse mouth out with water. Do not induce

vomiting. Never give anything by mouth who is unconscious or drowsy.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment should be directed at the control of symptoms and clinical conditions. A serious potential toxic 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 and should be followed for delayed effects. Following excessive inhalation exposure, cardiac function should be monitored. Because of possible cardiac sensitization to catecholamines, drugs, such as epinephrine, should be used with special caution only in situations of emergency life support.

## **SECTION 5: FIRE AND EXPLOSION DATA**

FLASH POINT: Less than 0 F (Propellant)

AEROSOL FIRE PROTECTION LEVEL: Level 3 (NFPA 30B)

AEROSOL FLAME EXTENSION: Greater than 18 inches

FLASHBACK: Yes

AUTOIGNITION TEMPERATURE: Not Determined.

FLAMMABILITY LIMITS: LEL: 1.0% UEL: 12.8%

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

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. Protect against rupturing cans.

UNUSUAL FIRE HAZARDS: Extremely flammable aerosol. Vapors may ignite explosively and cause flash fire. Vapors are heavier than air and can travel along surfaces to a remote ignition source and flash back. Aerosol cans may burst in the heat of fire.

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce carbon dioxide and carbon monoxide.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Eliminate all ignition sources. Ventilate area. Wear appropriate protective clothing and equipment (See Section 8). Collect with absorbent material and place in appropriate, labeled container for hazardous waste disposal.

## **SECTION 7: HANDLING AND STORAGE**

Prevent buildup of vapors.  
Use only as directed.  
Keep away from heat, sparks and flames.  
Do not smoke.  
Extinguish all flames including pilot lights and cigarettes. Turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.  
Use only with adequate ventilation.  
Avoid eye and skin contact.  
Avoid breathing vapors or mists.  
Wash exposed skin thoroughly with soap and water after use.  
Keep out of reach of children.  
Store product below 120 F.  
Store in a well ventilated area.  
Do not puncture or incinerate containers.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**VENTILATION:** Use local exhaust as required to maintain exposures below the occupational exposure limits.

**RESPIRATORY PROTECTION:** None usually required for normal, consumer use. Where concentrations are excessive and irritation develops, a NIOSH approved respirator with organic vapor cartridges with a dust/mist prefilter 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 teflon where contact is possible.

**EYE PROTECTION:** Safety glasses or safety goggles recommended if needed, to prevent eye contact.

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

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:** Water white liquid with a solvent odor packaged as an aerosol product.

pH: Not available	SPECIFIC GRAVITY: 0.74
BOILING POINT (F): less than 0 F	VAPOR PRESSURE: Not determined
FREEZING POINT (F): Not applicable	VAPOR DENSITY: Heavier than air
SOLUBILITY IN WATER: Not applicable	VISCOSITY: Not determined
EVAPORATION RATE: Not determined	PERCENT VOLATILE: 100%

### **SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Stable  
CONDITIONS TO AVOID: Heat, sparks, flames and all other sources of ignition.  
INCOMPATIBILITY: Oxidizing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide.  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: None known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Heptane: LC50 Inhalation Rat: 103 gm/m<sup>3</sup>/4 hr  
Acetone: LD50 Oral Rat: 5800 mg/kg  
LC50 Inhalation Rat: 50100 mg/m<sup>3</sup>/8 hr  
Xylene: LD50 Oral Rat: 4300 mg/kg  
LD50 Skin Rabbit: >1700 mg/kg  
LC50 Inhalation Rat: 5000 ppm/ 4 hr  
Ethylbenzene: LD50 Oral Rat: 3500 mg/kg  
LD50 Skin Rabbit: 17800 uL/kg  
Propane: No data available

**SECTION 12: ECOLOGICAL INFORMATION**

Acetone: LC50 Pimephales promelas 8,120 mg/L/96 hr  
LC50 Bluegill sunfish 8.300 mg/L/96 hr  
Xylene: LC50 Rainbow Trout 13.5 mg/L/96 hr  
LC50 Fathead minnow 13.5 mg/L/96 hr  
Ethylbenzene: LC50 Mysidopsis bahia (shrimp) 87.6 mg/L/96 hr, static  
LC50 Pimephales promelas (fathead minnow) 42.3 - 48.5 mg/L/96 hr

**SECTION 13: DISPOSAL INFORMATION**

Dispose of product as hazardous waste (ignitable) in accordance with all local, state/provincial and federal regulations.  
Do not incinerate container.

**SECTION 14: TRANSPORT INFORMATION**

U.S. DOT HAZARD CLASSIFICATION  
PROPER SHIPPING NAME: Consumer Commodity  
TECHNICAL NAME: N/A  
UN NUMBER: N/A  
HAZARD CLASS/PACKING GROUP: ORM-D

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: AEROSOLS, CLASS 2, UN1950, FP -17 C, LTD QTY

ID NUMBER: UN1950

HAZARD CLASS: 2

PACKING GROUP: NONE

LABELS REQUIRED: NONE

MARKINGS REQUIRED: AEROSOL MARKINGS ON CARTON

PLACARDS REQUIRED: LIMITED QUANTITIES ON CONTAINER

IMDG Page: 2102

## **SECTION 15: REGULATORY INFORMATION**

EPA SARA 311/312 HAZARD CLASSIFICATION: Acute health, chronic health, fire hazard, sudden release of pressure

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

Xylene	1330-20-7	10-20%
Ethylbenzene	100-41-4	1-5%

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 this product, based on the RQ for Xylene (20% maximum) of 100 lbs, is 500 lbs. 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: Class D - Division 2 - Subdivision B - (Toxic material causing other chronic effects), Class B - Division 5

(Flammable Aerosol)

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.

JAPAN MITI: All of the components are existing chemical substances as  
defined in the Chemical Substance Control Law.

## **SECTION 16: OTHER INFORMATION**

NFPA RATING (NFPA 704) - FIRE: 4  
HEALTH: 2  
REACTIVITY: 0

REVISION SUMMARY: Section 2 - Updated exposure limits.

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  
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