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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** PRO-STRENGTH BRAKE & PARTS CLEANER 19 OZ AE  
**Item No:** 82606  
**Product Type:** Aerosol cleaner

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
TETRACHLOROETHYLENE 127-18-4	60-70	25 ppm	100 ppm
XYLENE 1330-20-7	20-30	100 ppm	100 ppm; 435 mg/m <sup>3</sup>
ETHYL BENZENE 100-41-4	<5	100 ppm	100 ppm; 435 mg/m <sup>3</sup>
CARBON DIOXIDE 124-38-9	<5	5000 ppm	5000 ppm; 9000 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye, skin and respiratory irritation. High concentrations may cause central nervous system (CNS) depression. Aspiration hazard if swallowed. Deliberately concentrating and inhaling the vapor may be harmful or fatal. Excessive inhalation causes headache, dizziness, nausea, and incoordination. Long term exposure to high concentrations of vapor may cause lung, liver or kidney damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation

**Signs and Symptoms of Exposure:** Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Inhaling may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Overexposure may cause eye and skin redness, difficulty breathing and vomiting.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
TETRACHLOROETHYLENE 127-18-4	60-70	Group 2	A3-animal carcinogen	Group 2A; Monograph 63, 1995; Supplement 7, 1987
XYLENE 1330-20-7	20-30	male rat-no evidence; female rat-no evidence; male mice-no evidence; female mice-no evidence	A4 - Not Classifiable as a Human Carcinogen	Group 3: Monograph 71, 1999; Monograph 47, 1989
ETHYL BENZENE 100-41-4	<5	male rat-clear evidence; female rat-some evidence; male mice-some evidence; female mice-some evidence	A3 Confirmed animal carcinogen with unknown relevance to humans	Group 2B Monograph 77, 2000

**Aggravated Medical Condition:** Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

### 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

#### 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

#### 5. FIRE FIGHTING MEASURES

**Flash Point °F(C°):** No flame projection  
**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.  
**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.  
**Hazardous Products of Combustion:** Oxides of carbon, Hydrogen chloride, Irritating vapors  
**Unusual Fire/Explosion Hazards:** Contents under pressure. Exposure to temperatures over 120 degrees F. may cause bursting or venting. Use equipment or shielding to protect personnel from bursting containers.  
**Lower Explosive Limit:** Not determined  
**Upper Explosive Limit:** Not determined

#### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

#### 7. HANDLING AND STORAGE

**Storage:** Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C). Exposure to high temperatures may cause container to burst.  
**Handling:** Do not use near heat, sparks or open flame. Do not puncture or incinerate container. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Intentionally concentrating and inhaling the vapor may be harmful or fatal. Avoid contact with skin and eyes. Wash hands before eating and smoking.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses.  
**Skin:** Neoprene or nitrile gloves recommended.  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.  
**Respiratory Protection:** An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid  
**Odor:** Ether odor  
**Boiling Point:** >200°F  
**pH:** Does not apply  
**Solubility in Water:** Nil  
**Specific Gravity:** 1.59-1.69  
**VOC(Wt.%):** 29%  
**Vapor Pressure:** Not determined  
**Vapor Density (Air=1):** Heavier than air  
**Evaporation Rate:** Faster than ether

#### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at normal conditions  
**Hazardous Polymerization:** Will not occur  
**Incompatibilities:** Avoid contact with bases and strong oxidizers, Active metals  
**Conditions to Avoid:** Keep away from heat, sparks and open flame.  
**Hazardous Products of Combustion:** Oxides of carbon, Hydrogen chloride, Irritating vapors

#### 11. TOXICOLOGICAL INFORMATION

See Section 3

#### 12. ECOLOGICAL INFORMATION

**Product Name:** PRO-STRENGTH BRAKE & PARTS  
CLEANER 19 OZ AE

**Item No.** 82606

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations. This container may be recycled in aerosol recycling centers. Before offering for recycling, empty the can by using the product according to the label. If recycling is not available, wrap the container and discard in the trash.

**US EPA Waste Number:** D001 as per 40CFR 261.21, D039/F002 - A TCLP waste per 40CFR 261.64: tetrachloroethylene

## 14. TRANSPORTATION INFORMATION

### DOT (49CFR 172)

#### U.S. Department of Transportation - DOT - 49 CFR (Ground)

**DOT Shipping Name:** Aerosols, Limited Quantity

**Hazard Class:** Class 2.1

**UN/ID Number:** UN 1950

### IATA (Air)

**Proper Shipping Name:** Aerosols, flammable, containing substances in Division 6.1, Packing Group III

**Class or Division:** Class 2.1, Subsidiary Risk 6.1

**UN/ID Number:** UN 1950

### IMDG (Vessel)

**Proper Shipping Name:** Do Not Ship

**Hazard Class:** Not applicable

**UN Number:** Not applicable

**Marine Pollutant:** Tetrachloroethylene

## 15. REGULATORY INFORMATION

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

TETRACHLOROETHYLENE, XYLENE, ETHYL BENZENE

**California Proposition 65:** WARNING: This product contains a chemical known to the State of California to cause cancer

**TSCA Inventory Status:** All components of this product are listed (or exempt) on the EPA TSCA inventory.

## 16. OTHER INFORMATION

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 2, REACTIVITY 0.

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 2, PHYSICAL HAZARD 0

(NFPA is a registered trademark of the National Fire Protection Association)

HMIS is a registered trademark of the National Paint and Coatings Association

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**Revision Date:** February 27, 2012  
**Revision Number:** 4