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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

Ingredient	Weight Percent	ACGIH TLV:	OSHA PEL:
TETRACHLOROETHYLENE 127-18-4	60-70	25 ppm TWA; 170 mg/m ³ TWA	100 ppm TWA; C 200 ppm
XYLENE 1330-20-7	20-30	100 ppm TWA	100 ppm TWA; 435 mg/m ³ TWA
ETHYL BENZENE 100-41-4	1-10	100 ppm TWA	100 ppm TWA; 435 mg/m ³ TWA
CARBON DIOXIDE 124-38-9	1-10	5000 ppm TWA	5000 ppm TWA

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. Prolonged overexposure to the solvents lists may cause adverse effects to the urinary and reproductive systems. Tetrachloroethylene, listed by NTP and IARC as an animal carcinogen and by OSHA as a potential human carcinogen, produced liver tumors in mice. Human epidemiological evidence is conflicting and inconclusive.

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.

Ingredient	Weight Percent	NTP	ACGIH Carcinogens	IARC
TETRACHLOROETHYLENE 127-18-4	60-70	Group 2	A3-animal carcinogen	Group 2A Monograph 63; 1995
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	1-10	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

Medical Conditions Recognized as Being Aggravated by Exposure: 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.

4. FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of vapors. 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.

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. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

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 120 degrees F. Exposure to high temperatures may cause container to burst.

Handling: Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Do not puncture or incinerate container. Intentionally concentrating and inhaling the vapor may be harmful or fatal. Do not use near heat, sparks or open flame. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses

Skin: Viton gloves.

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 respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odor: IRRITATING

Boiling Point: >200°F

pH: Does not apply

Solubility in Water: Nil

Specific Gravity: 1.59-1.69

VOC Content(Wt.%): 29.3% by weight

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

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)

Domestic Ground Transport

DOT Shipping Name: CONSUMER COMMODITY
Hazard Class: ORM-D
UN/ID Number: None
Marine Pollutant: Tetrachloroethylene

IATA

Proper Shipping Name: Aerosols, nonflammable, containing substances in Division 6.1, Packing Group III
Class or Division: Division 2.2, Subsidiary Risk 6.1
UN/NA Number: UN 1950

IMDG

Proper Shipping: Aerosols, (Tetrachloroethylene), Marine Pollutant, Limited Quantity
Hazard Class: Class 2, 6.1
UN Number: UN 1950

15. REGULATORY INFORMATION

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

TETRACHLOROETHYLENE, XYLENE, ETHYL BENZENE

CALIFORNIA PROP 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

TSCA Inventory Status:

Listed on Inventory: YES 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 Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Number: