

Supplier:  
Permatex, Inc.  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: PX 4MA GASKET REMOVER 12OZ AE  
Item No: 80646  
Product Type: Aerosol cleaner

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
DICHLOROMETHANE 75-09-2	60-70	50 ppm TWA; 174 mg/m <sup>3</sup> TWA	25 ppm TWA; 125 ppm STEL (15 min. TWA)
2-PROPANOL 67-63-0	5-15	400 ppm TWA; 983 mg/m <sup>3</sup> TWA	400 ppm TWA
XYLENE, MIXTURE OF ISOMERS 1330-20-7	1-10	100 ppm TWA; 434 mg/m <sup>3</sup> TWA	100 ppm TWA; 435 mg/m <sup>3</sup> TWA
PROPANE 74-98-6	1-10	simple asphyxiant; 2500 ppm TWA	1000 ppm TWA; 1800 mg/m <sup>3</sup> TWA
BUTANE [1], ISOBUTANE [2] 106-97-8	1-10	800 ppm TWA; 1900 mg/m <sup>3</sup> TWA	800 ppm TWA; 1900 mg/m <sup>3</sup> TWA
ETHYL BENZENE 100-41-4	1-10	100 ppm TWA; 434 mg/m <sup>3</sup> TWA	100 ppm TWA; 435 mg/m <sup>3</sup> TWA
2-AMINOETHANOL 141-43-5	1-10	3 ppm TWA; 7.5 mg/m <sup>3</sup> TWA	3 ppm TWA; 6 mg/m <sup>3</sup> TWA
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. 64742-88-7	1-10		400 ppm TWA; 1600 mg/m <sup>3</sup> dust

### 3. HAZARDS IDENTIFICATION

#### Toxicity:

Harmful if inhaled. Harmful if swallowed. May cause eye, skin and respiratory irritation. Vapors are anesthetic in high concentrations. 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 exposure may cause liver and kidney effects and may affect the central nervous system. Methylene chloride will have an effect on the cardiovascular system. Inhalation of high concentrations of Methylene chloride over long periods of time has caused cancer in laboratory animals. Deliberately concentrating and inhaling the vapor may be harmful or fatal.

#### 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.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
DICHLOROMETHANE 75-09-2	60-70	Group 2: Suspect Carcinogen	A3 - Animal Carcinogen	Group 2B: Monograph 41, Supplement 7, Monograph 71; 1998
XYLENE, MIXTURE OF ISOMERS 1330-20-7	1-10	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: Vol. 71, pg 1189, 1999

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ETHYL BENZENE 100-41-4	1-10		Group 2: Vol. 77, pg 227, 2000
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**Medical Conditions Recognized as Being Aggravated by Exposure:** Heart disease, respiratory disorders, liver and kidney diseases, amenia, rhythm disorders of the heart.

#### **4. FIRST AID MEASURES**

**Ingestion:** If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.  
**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.  
**Skin Contact:** Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.  
**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):** Less than 0 degrees F. Based on propellant.  
**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 Formed by Fire or Thermal Decomposition:** Hydrogen chloride, Carbon Monoxide and Carbon Dioxide.  
**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:** 1.0  
**Upper Explosive Limit:** 12.7

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

#### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses with side shields or chemical goggles.  
**Skin:** Rubber or plastic gloves  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.  
**Respiratory Protection:** Use approved NIOSH respiratory protection if TLV exceeded., or over-exposure is likely.

#### **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear liquid  
**Odor:** SOLVENT ODOR  
**Boiling Point (°F):** <0 to 395 degrees F.  
**pH:** Not determined  
**Solubility in Water:** Nil  
**Specific Gravity:** 1.02  
**VOC Content(Wt.%):** 29.68 % by weight  
**Vapor Pressure:** Not Determined  
**Vapor Density (Air=1):** Heavier than air  
**Evaporation Rate:** Faster than ether

#### **10. STABILITY AND REACTIVITY**

**Product Name:** PX 4MA GASKET REMOVER 12OZ AE  
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**Chemical Stability:** Stable at normal conditions  
**Hazardous Polymerization:** WILL NOT OCCUR  
**Incompatibilities:** Active metals.  
**Conditions to Avoid:** Do not expose to heat or store at temperatures above 120 F. Keep away from heat, sparks and flame.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Hydrogen chloride. Carbon Monoxide and Carbon Dioxide.

## **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/F002 - Hazardous waste per 40CFR 261.21 and 261.31 (Methylene Chloride)

## **14. TRANSPORT INFORMATION**

**DOT (49CFR 172)**

### **Domestic Ground Transport**

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

### **IATA**

**Proper Shipping Name:** Aerosols, flammable, containing substances in Division 6.1, Packing Group III  
**Class or Division:** Division 2.1, Subsidiary Risk 6.1  
**UN/NA Number:** UN 1950

### **IMDG**

**Proper Shipping:** Aerosols, Limited Quantity  
**Hazard Class:** Class 2.1  
**UN Number:** UN 1950

## **15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.  
DICHLOROMETHANE, ETHYL BENZENE, XYLENE

### **CALIFORNIA PROP 65:**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### **TSCA Inventory Status:**

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

## **16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 3, FLAMMABILITY 4, REACTIVITY 1  
**Estimated HMIS Classification:** HEALTH 3, FLAMMABILITY 4, 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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