

MSDS Material Safety Data Sheet

Blaster Chemical Companies, Inc.



PB Penetrating Catalyst

MSDS Number: PB Aerosol

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Revision Date: 04/01/05

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PRODUCT AND COMPANY IDENTIFICATION

Product Name: PB Penetrating Catalyst
Revision Date: 04/01/05
MSDS Number: PB Aerosol
Common Name: PB Blaster
Product Code: 16-PB, 8-PB, 8-PBS, PBTS, 20-PB, 26-PB

Manufacturer: The Blaster Chemical Companies, Inc.
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Valley View, Ohio 44125

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
124389	Carbon dioxide (propellant)	<2%
64742650	Distillates, petroleum, solvent-dewaxed	<40%
64742945	Solvent naphtha, petroleum, heavy arom.	<30%
64742478	Distillates, petroleum, hydrotreated lig	<25%
34590948	Dipropylene glycol methyl ether	<5%

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HAZARDS IDENTIFICATION

Route of Entry: Eyes, skin, inhalation, ingestion
Target Organs:
Inhalation: Inhalation of spray mist may cause irritation to the respiratory tract.
Skin Contact: Repeated or prolonged contact with skin may cause mild irritation and possibly dermatitis.
Eye Contact: Likely to cause immediate or delayed irritation. Irritation will show as redness and/or swelling of the eyes.
Ingestion: Ingestion may cause irritation to the mouth, esophagus and stomach.

May aggravate a pre-existing skin and respiratory disorders.

Physical Hazard: Aerosol containers are pressurized (even when empty!) Do not expose to temperatures above 120° F. Do not puncture or burn can. Failure to observe these precautions may result in rapid and violent decompression of the container producing projectiles and atomization of the liquid contents.

Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

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FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Continue to monitor. Get medical attention.
- Skin Contact:** Remove contaminated clothing immediately! Wash skin with soap and water. If irritation develops, seek medical attention.
- Eye Contact:** Flush eye(s) with water for 15 minutes. Get medical attention. If eye irritation persists, obtain medical treatment.
- Ingestion:** Do not induce vomiting! Get medical attention immediately!

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FIRE FIGHTING MEASURES**Flashpoint:** 152° F (PMCC)**Unusual Fire & Explosion Hazard:** Level 3 Aerosols - Contents Under Pressure**Extinguishing Media:** Dry chemical, Carbon dioxide, halon or foam.

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ACCIDENTAL RELEASE MEASURES**Spill or Leak Procedure:** Leaking cans should be put into suitable container until the internal pressure has dissipated.**Waster Disposal Method:** Empty aerosol cans should be punctured and drained. Can and contents can then be incinerated. Dispose of in accordance with local, state and federal regulations.

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HANDLING AND STORAGE

- Handling Precautions:** Use in accordance with good industrial workplace practices. Avoid unnecessary contact. Wash thoroughly after handling. Use with good ventilation.
- Storage Requirements:** Store in a dry place away from excessive heat. Store containers with lids on and properly labeled.

Do not store at temperatures above 120 degrees F.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Eye wash stations and emergency showers should be immediately available.
- Protective Equipment:**
- Eyes and Face:** Standard safety glasses with splash shields typically offer adequate protection. Where excessive splashing or spraying is possible, a face shield should be used.
- Skin and clothing:** Excessive contact should be avoided. Neoprene gloves, boots and aprons will provide adequate protection when contact cannot be avoided. Remove and wash any contaminated clothing immediately. Wash thoroughly after handling.
- Respiratory:** Good general ventilation should be sufficient to control airborne levels. Maintain airborne concentrations below OSHA established exposure limits of ingredients in Section 2.
- Exposure Guidelines/Other:** The Blaster Chemical Companies takes no responsibility for determining what measures are required for personal protection in any specific application. This information should be used with discretion.

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PHYSICAL AND CHEMICAL PROPERTIES**Appearance:** Orange viscous oily**Physical State:** Liquid**Odor:** Heavy aromatic**pH:** Not determined**Vapor Pressure:** Not determined**Vapor Density:** >1 (air = 1)**Boiling Point:** 352 F**Freezing/Melting Pt.:** Not determined**Solubility:** nil**Spec Grav./Density:** 0.90 (water = 1)**Heat Value:** Not determined**VOC:** 3.68 lbs/gal**Evap. Rate:** >1 (NBA = 1)**Bulk Density:** Not determined**Octanol:** Not applicable**Molecular Weight:** Not determined**Particle Size:** Not applicable**Softening Point:** Not applicable**Viscosity:** Not determined**Percent Volatile:** 49**Sat. Vap. Concentrat.:** Not determined**Molecular Formula:** Not determined

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STABILITY AND REACTIVITY**Stability:** This product is stable.**Conditions to avoid:** Avoid excessive heat, sources of ignition and excessive water.**Materials to avoid (incompatibility):** Avoid contact with strong oxidizing agents and strong reducing agents (strong acids or bases.) Avoid mixture with water.**Hazardous Decomposition products:** Carbon monoxide, carbon dioxide, and various hydrocarbons.**Hazardous Polymerization:** Will not occur.

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TOXICOLOGICAL INFORMATION

Toxicological information on this product as a mixture has not been determined. See section 15 for reportable ingredients.

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ECOLOGICAL INFORMATION

Ecological information on this product as a mixture has not been determined.

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DISPOSAL CONSIDERATIONS

Used or unused product should be disposed of in accordance with local, state, and federal regulations. Some special regulations may exist for the disposal of empty aerosol containers.

Empty containers may contain residual pressure and contents. They should be handled with the same precautions as the product.

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14 TRANSPORT INFORMATION

Dept. of Transportation (DOT):

This product, as it leaves Blaster's facilities, meets the definitions set forth in CFR 49 part 173.150c as a "consumer commodity." Allowing for certain exceptions (173.156) for domestic surface (ground) shipments.

Proper shipping name: Consumer Commodity
Hazard class: ORM-D

International (IMDT-IATA):

Proper shipping name: Aerosols, Limited Quantities
Hazard class: 2.2 Flammable Gas
UN Number: 1950

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Dipropylene glycol methyl ether (34590948 <5%) MASS, OSHAWAC, PA, TXAIR

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

Manufacturer's Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither The Blaster Chemical Companies nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists.

HMIS Ratings:

Health: 2
Fire: 2
Reactivity: 0

NFPA Ratings:

Health: 2
Fire: 2
Reactivity: 0

END OF MSDS DOCUMENT



Penetrant:
Fabulous PB Blaster

The result of a revolutionary chemist and years of refinement, Blaster's automotive maintenance chemicals will "work where other fail". Blaster Chemical Companies was founded by William K. Westley after he had already sold his first successful enterprise, Westley Industries. At a fairly young age Westley had the time to pursue many of his own interests. In this time he developed several chemical formulas to fulfill his needs and the needs of friends. These formulas became the basis of what is now the Blaster Chemical Companies.

The most successful product to come from William Westley's retirement would have to be his revolutionary penetrant simply named PB. The accuracy of this story can certainly be questioned, but this is what's been heard. Westley developed this product to assist a friend who was working in a sulfur mine. These mines' corrosive environment provided an excellent proving grounds for the development of a penetrant. It is here that Westley developed fabulous PB to: penetrate and loosen parts held together by rust and galvanic corrosion; provide good lubrication; and to provide protection against corrosion.

Mr. Westley chose to use high-quality components in the development of PB. These components provide the product with superior characteristics to other penetrating lubricants. It is safe for use on all metals and some plastics. Its uses are countless.

Penetrates.

PB is most noted for being a superior penetrant. It's penetrating qualities give this product its legendary reputation. We often refer to its capillary attraction, which is defined as: The force that results from greater adhesion to a solid surface than the internal cohesion of the liquid itself and causes the liquid to be raised against a vertical surface. Simple put, PB has a greater attraction to metals than it does itself. This attraction to metals gives PB the ability to climb uphill, in & around, and thoroughly saturate metal surfaces, while breaking free the surface tension and corrosion that binds these materials together.

Lubricates.

PB Blaster does not simply stop squeaks. It provides excellent lubrication, which will reduce friction between moving surfaces and extend the life of equipment. PB contains several high-quality lubricants that provide lowered turning torque and lubricating film to extend the useful life of equipment.

Provides Corrosion Protection.

PB does not completely evaporate like many penetrants. What is left behind is a thin light oily film that protects the applied equipment from oxidation for a considerable period of time.