

MSDS Material Safety Data Sheet

The Blaster Corporation



PB Penetrating Catalyst

MSDS Number: PB - Aerosol

Revision Date: 12/1/13

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: PB Penetrating Catalyst
Revision Date: 12/1/13
MSDS Number: PB - Aerosol
Common Name: PB Blaster
Product Code: 16-PB, 8-PB, 8-PBS, PBTS, 20-PB

Manufacturer: The Blaster Corporation
 8500 Sweet Valley Drive
 Valley View, Ohio 44125

(216) 901-5800
 (216) 901-5801 fax
www.blasterproducts.com

24 Hour emergency contact: Chemtrec (800) 424-9300
 customer #: 2847

2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Percent	Exposure Limits
Dinonylphenol ethoxylated phosphated	39464-64-7	0-3%	OSHA (TWA)- N/E ACGIH (TWA)- N/E
Solvent Naphtha, Heavy Aromatic**	64742-94-5	20-30%	OSHA (TWA)- N/E ACGIH (TWA)- N/E
Heavy Petroleum Distillate	64742-52-5	20-30%	OSHA (TWA)-N/E ACGIH (TLV)- N/E
Hydrotreated Light Distillate	64742-47-8	50-60%	OSHA (TWA)- N/E ACGIH (PEL)- 500 ppm
Carbon Dioxide (propellant)	124-38-9	1-5%	OSHA (TWA) 5000ppm ACGIH (TWA) 5000ppm

** See section 8 for component Limits

3 HAZARDS IDENTIFICATION

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

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Ingestion: Ingestion may cause irritation to the mouth, esophagus and stomach.

Aerosols: Sudden release of pressure could produce projectiles and atomized combustible liquid.

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.

4 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!

5 FIRE FIGHTING MEASURES

Flash point: 150°F (TCC) minimum

Extinguishing Media: Dry chemical, carbon dioxide or foam is recommended. Water may be ineffective for extinguishment, but can be useful in minimizing or dispersing vapors, protecting personnel and cooling containers. If containers are not properly cooled they can rupture in the heat of a fire. Avoid spreading burning liquid with water used for cooling purposes.

Unusual Fire & Expulsion Hazards: Level 3 Aerosols - Contents Under Pressure!

6 ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition and ventilate the area. See section 8 for the appropriate personal protection. Aerosol cans should be handled with caution. Sudden release of pressure could produce projectiles and atomized combustible liquid. Leaking aerosol cans should be put into suitable container until the internal pressure has dissipated. Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains. Use suitable absorbents to collect liquid product. Consult regulations for the proper disposal of the container, liquid and absorbents.

7 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. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

Exposure Guidelines/Other:

Ingredients	CAS #	Percent	Exposure Limits
Heavy Petroleum Distillate*** oil mist	64742-65-0	20-30%	OSHA (TWA)- 5 ppm ACGIH (PEL)- 5 ppm
oil mist			
Hydrotreated Light Distillate	64742-47-8	45-55%	OSHA (TWA)- N/E ACGIH (PEL)- 200 ppm

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SOLVENT NAPHTHA, PETROLEUM, HEAVY AROMATIC - BREAKDOWN 20-30%

Name	CAS #	% by Weight	Exposure Limit
Solvent naphtha, petroleum, heavy arom.	64742-94-5	100	Not established.
1,2-Dimethyl-4-ethylbenzene	934-80-5	10-20	Not established.
1,2,3,5-Tetramethylbenzene	527-53-7	10-20	Not established.
1,2,4,5-Tetramethylbenzene	95-93-2	5-15	Not established.
1,3-Dimethyl-4-ethylbenzene	874-41-9	2-10	Not established.
1,3-Dimethyl-5-ethylbenzene	934-74-7	2-10	Not established.
1,4-Dimethyl-2-ethylbenzene	1758-88-9	2-10	Not established.
1-Methyl-3-propylbenzene	1074-43-7	2-10	Not established.
Naphthalene	91-20-3	< 10	ACGIH TLV (United States, 1/ TWA: 52 mg/m ³ 8 hour(s) STEL: 79 mg/m ³ TWA: 10 ppm 8 hour(s) STEL: 15 ppm OSHA PEL 1989 (United States) TWA: 50 mg/m ³ 8 hour(s) TWA: 10 ppm 8 hour(s)
1,4-diethylbenzene	105-05-5	1-5	Not established.
1,2,3-Trimethylbenzene	526-73-8	1-5	ACGIH TLV (United States, 1/ TWA: 123 mg/m ³ 8 hour(s). TWA: 25 ppm 8 hour(s). OSHA PEL 1989 (United States) TWA: 125 mg/m ³ 8 hour(s). TWA: 25 ppm 8 hour(s).
1-methyl-4-n-propylbenzene	1074-55-1	1-5	Not established.
1,2,4-Trimethylbenzene	95-63-6	<2	10 Hr TWA: 25 ppm (125 mg/c
2-Methylnaphthalene	91-57-6	<2	Mixed Isomers of trimethylbenz 8 hr TWA: 25 ppm ACGIH
1,3-diethylbenzene	141-93-5	<2	Not established. Not established.

The Blaster Corporation 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	Boiling Point:	352 F
Physical State:	Liquid	Freezing/Melting Pt.:	Not determined
Odor:	Heavy aromatic	Solubility:	nil
pH:	Not determined	Spec Grav./Density:	0.91 (water = 1)
Vapor Pressure:	Not determined		
Vapor Density:	>1 (air = 1)		

Heat Value:	Not determined
VOC:	<50%
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:	Not determined
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

Hydrotreated Light Distillates 64742-47-8

ACUTE STUDIES

EYE EFFECTS Slight irritation on contact.

SKIN EFFECTS May cause irritation or dermatitis with prolonged and repeated contact.

ACUTE ORAL EFFECTS Tests on similar materials indicate an order of acute oral toxicity.

ACUTE INHALATION EFFECTS Acute toxicity expected on inhalation.

LD50 Dermal Rabbit >2000 mg/kg LD50 Oral Rat >5000 mg/kg

This product is not listed as carcinogenic or a potential carcinogen by the National Toxicology Program, by the I.A.R.C. monographs or by OSHA. Therefore, if the precautions outlined in this bulletin are followed to minimize repeated or prolonged skin contact which could cause irritation, these oils should pose no carcinogenic hazard to humans. Prolonged repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Nevertheless, good industrial hygienic practices are recommended.

Hydrotreated Heavy Naphthenic Oil 64742-52-5

Acute Toxicity: Tests on similar materials show a low order of acute oral and dermal toxicity.

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Acute Oral Effects: Tests on similar materials indicate low order of acute oral toxicity.

Acute Inhalation Effects: Low acute toxicity expected on inhalation.

Eye Irritation: Minimal irritation on contact. Eye irritation slight or practically non-irritating based on similar products.

Skin Effects: Practically non-toxic if absorbed. Other similar highly refined products have not shown skin tumors in mouse skin painting studies.

Skin Irritation: May cause mild irritation with prolonged and repeated exposure.

Skin Sensitization: Skin sensitization is indicated as non-sensitizing based on data from similar products.

Carcinogenicity:

Skin: Not considered a potential carcinogen based on IP346 DMSO of less than 3.0 wt%.

Genotoxicity: This product is considered non-mutagenic and has negative potential for tumor development based on results from Modified Ames Assay, with Mutagenic Index of less than 1.0. This product is severely hydrotreated at greater than 800 psi, and does not require a cancer warning under OSHA Hazard Communication Standard (29 CFR 1910.1200). Similar products have not been listed in NTP reports, and are classified by IARC as having inadequate evidence of carcinogenicity. IARC indicates that based on preponderance of data highly refined mineral oils are not mutagenic either *in vitro* or *in vivo*. Severely hydrotreated naphthenic petroleum oils have not been found to be carcinogenic or potential carcinogens.

Aromatic Petroleum Distillates contains:

Acute oral toxicity (LD50): 316 mg/kg [Mouse]. (naphthalene).

Acute dermal toxicity (LD50): >2500 mg/kg [Rat]. (naphthalene).

May be irritating to eyes, skin and respiratory system. Aspiration hazard if swallowed. Can enter lungs and cause damage.

CARCINOGENIC EFFECTS: Classified 2B (Possible for humans.) by IARC [naphthalene].

Classified 2 (Reasonably anticipated to be human carcinogens.) by NTP [naphthalene].

Classified A4 (Not classifiable for humans or animals.) by ACGIH [naphthalene].

May cause damage to the following organs: lungs, central nervous system (CNS), digestive system, upper respiratory tract, skin, eyes, blood, kidneys, liver.

NTP concluded based on inhalation studies that there is *clear evidence of carcinogenic activity* of naphthalene in rats based on increased incidences of respiratory epithelial adenoma (tissue tumors) and olfactory epithelial neuroblastoma (malignant tumors) of the nose.

Dinonylphenol, ethoxylated, phosphated

INHALATION: : Irritating

EYE CONTACT: Irritating, but will not permanently injure eye tissue.

SKIN CONTACT: Prolonged or repeated contact may cause skin irritation.

INGESTION: May cause irritation.

CHRONIC (CANCER) INFORMATION: Not listed

No known long term effects.

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ECOLOGICAL INFORMATION

Ecological studies have not been conducted for this product.

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DISPOSAL CONSIDERATIONS

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste.

Aerosol containers should be emptied and depressurized before disposal. Empty containers may be recycled.

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TRANSPORT INFORMATION

DOT and IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY

The Blaster Corporation does not recommend shipping their aerosol products by air.

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REGULATORY INFORMATION

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Superfund Amendments Reauthorization Act (SARA TITLE) III:

Hazard Category For Section 311/312: Acute Health, Fire Hazard, Sudden Release of Pressure

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product contains a chemical known to the State of California to cause cancer.

VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

Consumer Product Safety Act General Conformity Certification: This product was evaluated by The Blaster Corporation, and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location listed in Section 1 of this MSDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above.

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OTHER INFORMATION

Manufacturer's Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither The Blaster Corporation 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