



# MSDS Material Safety Data Sheet

The Blaster Corporation

PB-50 All-Purpose Lubricant

MSDS Number: PB-50 Aerosol

Revision Date: 10/27/10

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## 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: PB-50 All-Purpose Lubricant  
 Revision Date: 10/27/10  
 MSDS Number: PB-50 Aerosol  
 Product Code: PB-50, PB-50-8, PB-50-3

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

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	Percent	Exposure Limits
Medium Aliphatic Solvent Naphtha	64742-88-7	40-50%	OSHA (TWA) - 100 ppm ACGIH (TLV) - 100 ppm
Heavy Petroleum Distillate	64742-65-0	35-45%	OSHA (TWA) - N/E ACGIH (TLV) - N/E
Hydroretreated Light Distillate	64742-47-8	10-15%	OSHA (TWA) - 400 ppm ACGIH (PEL) - 500 ppm
Barium alkyl naphthalenesulfonate	N/A	<5%	OSHA (TWA) - N/E ACGIH (TLV) - N/E
Carbon Dioxide	124-38-9	<2%	OSHA (TWA) - 5,000 ppm ACGIH (STEL) - 30,000ppm

## 3 HAZARDS IDENTIFICATION

Route of Entry: Eyes, skin, inhalation, ingestion  
 Target Organs: Inhalation:  
 Skin Contact: Repeated or prolonged contact with skin may cause mild irritation and possibly dermatitis.  
 Eye Contact: Likely to cause immediate or delayed irritation such as swelling and redness.  
 Ingestion: Ingestion is likely to 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.



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**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.

**Note to Physician:**

Catecholamines and similar adrenergic drugs are generally contraindicated because of potential for increased sensitivity of the heart from hydrocarbon exposure and subsequent ventricular fibrillation

### 5 FIRE FIGHTING MEASURES

Flashpoint: 105°F (TCC)

**Extinguishing Media:** Dry chemical, carbon dioxide, halon or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen. Take precautions when using these materials.

**General Fire and Explosion Hazards:** This material may be ignited by heat, sparks (static electricity), flame or other ignition sources. Vapors are heavier than air and will collect in low areas (sewers) and can travel considerable distances. If containers are not cooled in a fire, they may explode.

**Fire Fighting Procedures:** Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out. Try to contain spills or leaks if it can be done safely. Material will float on water. Avoid spreading.

Unusual Fire & Explosion Hazard: 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.



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### 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.

### 8 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 Corporation takes no responsibility for determining what measures are required for personal protection in any specific application. This information should be used with discretion.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	vanilla - clear
Physical State:	liquid
Odor:	Moderate aliphatic
pH:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	<1(Air=1)
Heat Value:	Not Determined
VOC:	Not Determined
Evap. Rate:	>1(NBA=1)
Bulk Density:	Not Determined
Octanol:	Not Determined
Molecular Weight:	Not Determined
Particle Size:	Not Applicable
Softening Point:	Not Applicable
Viscosity:	Not Determined
Percent Volatile:	Not Determined
Sat. Vap. Concentrat.:	Not Determined

Boiling Point:	Not Determined
Freezing/Melting Pt.:	Not Determined
Solubility:	partial
Spec Grav./Density:	0.83



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Molecular Formula: Not Determined

### 10 STABILITY AND REACTIVITY

Stability:

This product is stable.

Conditions to avoid:

Avoid excessive heat, sources of ignition and open flame.

Materials to avoid (incompatibility):

Avoid contact with strong oxidizing agents.

Hazardous Decomposition products:

Combustion will produce carbon monoxide, carbon dioxide and nitrogen-oxygen compounds.

Hazardous Polymerization:

Will not occur.

### 11 TOXICOLOGICAL INFORMATION

Petroleum Hydrocarbon

Light Hydro-treated Distillate (petroleum)

Studies on laboratory animals have shown similar materials to cause eye and respiratory tract irritation. Studies of similar materials on laboratory animals have resulted in skin irritation after repeated or prolonged contact. Prolonged or repeated contact can result in defatting and drying of skin, which may result in skin irritation and rash (dermatitis).

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.

Petroleum Hydrocarbon Distillates:

Dermal, Acute LD50 (rabbit): < 3000 mg/kg

Inhalation, Acute LC50 (rat): >5.5 mg/l (8hours)

Barium alkylinaphthalenesulfonate

Acute toxicity:

Oral: LD50(rat) < 2000 mg/kg (Method: similar to FHSLA, 21 CFR p191.1)

Inhalation: LC50(rat) < 20 mg/l (spray) (FHSLA, 21 CFR p191.10)

Irritation effects:

Eye: Irritating (FHSLA, 21 CFR p191.11)

Skin: Irritating (FHSLA, 21 CFR p191.11)

Skin sensitization: No evidence of human skin sensitization after many years of experience in producing and handling this material.

Mutagenicity: Bacterial reverse mutation assays, *in vitro* and *in vivo* chromosome aberration studies for several structural analogs do not indicate a concern for mutagenicity.

Medium Aliphatic Solvent Naptha

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.

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



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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.

**Caution:** Studies have linked the over exposure of "solvents" to possible irregularities in blood and Non-Hodgkin's Lymphoma.

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### ECOLOGICAL INFORMATION

Petroleum Hydrocarbon

This mixture contains components that are potentially toxic to freshwater and saltwater ecosystems.

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during grooming. This product is rapidly biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70o F (21o C).

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### DISPOSAL CONSIDERATIONS

If this product becomes a waste, it would be expected to meet the criteria of a RCRA hazardous waste for the characteristic of ignitability with a waste code of D001. (See 40 CFR Part 261.20 - 261.33) It is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal.

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

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

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### 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 Flammable Compressed Gas  
UN Number: 1950



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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 (TEQ): 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 does not contain any

components that are regulated under California Proposition 65.

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 hazards which exist.

HMIS Ratings	
Health:	1
Fire:	2
Reactivity:	0

END OF MSDS DOCUMENT