

# MSDS Material Safety Data Sheet

The Blaster Corporation



## PB-50 All-Purpose Lubricant

MSDS Number: PB-50 Aerosol

Revision Date: 11/15/2007

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### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** PB-50 All-Purpose Lubricant  
**Revision Date:** 11/15/2007  
**MSDS Number:** PB-50 Aerosol  
**Product Code:** PB-50

**Manufacturer:** The Blaster Chemical Companies, Inc.  
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
Hydrotreated Light Distillate	64742-47-8	10-15%	OSHA (TWA)- 400 ppm ACGIH (PEL)- 500 ppm
Barium alkylnaphthalenesulfonate	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:** 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 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

Leaking aerosol cans should be put into suitable container until the internal pressure has dissipated. 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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### 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 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.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	vanilla - clear	<b>Boiling Point:</b>	Not Determined
<b>Physical State:</b>	liquid	<b>Freezing/Melting Pt.:</b>	Not Determined
<b>Odor:</b>	Moderate aliphatic	<b>Solubility:</b>	partial
<b>pH:</b>	Not Determined	<b>Spec Grav./Density:</b>	0.83
<b>Vapor Pressure:</b>	Not Determined		
<b>Vapor Density:</b>	>1(Air=1)		
<b>Heat Value:</b>	Not Determined		
<b>VOC:</b>	Not Determined		
<b>Evap. Rate:</b>	>1(NBA=1)		
<b>Bulk Density:</b>	Not Determined		
<b>Octanol:</b>	Not Determined		
<b>Molecular Weight:</b>	Not Determined		
<b>Particle Size:</b>	Not Applicable		
<b>Softening Point:</b>	Not Applicable		
<b>Viscosity:</b>	Not Determined		
<b>Percent Volatile:</b>	Not Determined		
<b>Sat. Vap. Concentrat.:</b>	Not Determined		
<b>Molecular Formula:</b>	Not Determined		



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### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	This product is stable.
<b>Conditions to avoid:</b>	Avoid excessive heat, sources of ignition and open flame.
<b>Materials to avoid (incompatibility):</b>	Avoid contact with strong oxidizing agents.
<b>Hazardous Decomposition products:</b>	Combustion will produce carbon monoxide, carbon dioxide and nitrogen-oxygen compounds.
<b>Hazardous Polymerization:</b>	Will not occur.

### 11 TOXICOLOGICAL INFORMATION

#### Petroleum Hydrocarbon

Light Hydrotreated 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 alkyl naphthalenesulfonate

##### 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 Naphtha

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 followed to minimize repeated or prolonged skin contact which could cause irritation, these oils



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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.

### 12 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 pelage grooming. This product is rapidly biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70o F (21o C).

### 13 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 aerosol containers.

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

### 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 Flammable Compressed Gas  
**UN Number:** 1950



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### 15 REGULATORY INFORMATION

#### Environmental Regulations

##### SARA 311:

Acute health: Yes

Chronic health: No

Fire: Yes

Sudden release of pressure: No

Reactive: No

**SARA 313:** Title III of the 1986 Super fund Amendments and Reauthorization Act (SARA) and 40 CFR PART 372.

#### Ingredients

#### CAS #

Barium compounds Xylene <0.5 wt %CAS # 1330-20-7

All the chemicals used in this product are TSCA listed.

Check with your local regulators to be sure all local regulations are met.

### 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 hazards which exists.

#### HMIS Ratings

Health: 1

Fire: 2

Reactivity 0

END OF MSDS DOCUMENT