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MSDS

Common Name: PB PENETRATING CATALYST, 16-PB, 8-PB, 8-PBS, PBTS, 20-PB, 26-PB**Manufacturer:** BLASTER CHEMICAL**MSDS Revision Date:** 10/16/2007**Grainger Item Number(s):** 4LRF8, 4LRG2**Manufacturer Model Number(s):**

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"BLASTER(R*)"

MSDS

MATERIAL SAFETY DATA SHEET

THE BLASTER CORPORATION

PB PENETRATING CATALYST

MSDS NUMBER: PB - AEROSOL

REVISION DATE: 10/16/07

1 PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: PB PENETRATING CATALYST

REVISION DATE: 10/16/07

MSDS NUMBER: PB - AEROSOL

COMMON NAME: PB BLASTER

PRODUCT CODE: 16-PB, 8-PB, 8-PBS, PBTS, 20-PB, 26-PB

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2 COMPOSITION/INFORMATION ON INGREDIENTS



HAZARDOUS INGREDIENTS	CAS #	PERCENT	EXPOSURE LIMITS
ALKYLOXYPOLYETHYLENEOXYETHANOL	68131-40-8	0 - 3%	OSHA (TWA): N/E ACGIH (TLV): N/E
SOLVENT NAPHTHA, HEAVY AROMATIC**	64742-94-5	40 - 50%	OSHA (TWA): N/E ACGIH (TWA): N/E
HEAVY PETROLEUM DISTILLATE	64742-65-0	20 - 30%	OSHA (TWA): N/E ACGIH (TLV): N/E
HYDROTREATED LIGHT DISTILLATE	64742-47-8	30 - 40%	OSHA (TWA): N/E ACGIH (PEL): 500 PPM

*DENOTES CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE 1986 SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) AND 40 CFR PART 372.

**AROMATIC NAPHTHA CONTAINS 1-7 % NAPHTHALENE (91-20-3) AND 0-1% PSEUDOCUMENE (95-63-6)

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. IRRITATION WILL SHOW AS REDNESS AND/OR SWELLING OF THE EYES.

INGESTION:

INGESTION MAY CAUSE IRRITATION TO THE MOUTH, ESOPHAGUS AND STOMACH.

MAY AGGRAVATE PRE-EXISTING SKIN AND RESPIRATORY DISORDERS.

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: 155 DEG. F ASTM D-56 (TCC)

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 & EXPLOSION HAZARDS:

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 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.

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



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: 0.87 (WATER = 1)

HEAT VALUE: NOT DETERMINED

VOC: NOT DETERMINED

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

10 STABILITY AND REACTIVITY



STABILITY: THIS PRODUCT IS STABLE.

CONDITIONS TO AVOID:

VOID EXCESSIVE HEAT, SOURCES OF IGNITION AND EXCESSIVE WATER.

MATERIALS TO AVOID (INCOMPATIBILITY):

VOID 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.

11 TOXICOLOGICAL INFORMATION



TOXICOLOGICAL INFORMATION ON THIS PRODUCT AS A MIXTURE HAS NOT BEEN DETERMINED. SEE SECTION 15 FOR REPORTABLE INGREDIENTS.

12 ECOLOGICAL INFORMATION



ECOLOGICAL INFORMATION ON THIS PRODUCT AS A MIXTURE HAS NOT BEEN DETERMINED.

13 DISPOSAL CONSIDERATIONS



USED OR UNUSED PRODUCT SHOULD BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. SOME SPECIAL REGULATIONS MAY EXISTS 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.

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

15 REGULATORY INFORMATION



COMPONENT / (CAS/PERC) / CODES:

*DISTILLATES, PETROLEUM, SOLVENT-DEWAXED HEAVY PARAFFINIC (64742650 40-60%)
NJHS

*CARBON DIOXIDE (PROPELLANT) (124389 0-3%) 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