

MATERIAL SAFETY DATA SHEET

Product No.: CP-5P

SECTION I -XVI

SECTION I - PRODUCT & COMPANY IDENTIFICATION

BLOME CP-5 POWDER

MANUFACTURER: BLOME INTERNATIONAL
1450 HOFF INDUSTRIAL DRIVE
O'FALLON, MO 63366

PHONE NO.: 636-379-9119

EMERGENCY PHONE NUMBER: (800)-424-9300

MSDS ISSUE DATE: 10/24/06

SECTION II - INGREDIENTS/HAZARD INFORMATION

CRYSTALLINE SILICA

* CAS No.: 14808-60-7 Percent By Weight: 80 To 85 LEL: NA UEL:
OSHA PEL: NA ppm 0.098 mg/M3 TWA ACGIH TLV: NA ppm 0.05 mg/M3 TWA
LD50: NA LC50: NA V.P.(1) NA

Listed On(2) a: N b: N c: N d: Y e: Y f: Y g: Y h: N

RESPIRABLE DUST CAN CAUSE SILICOSIS, CANCER, AUTOIMMUNE DISEASES

SODIUM FLUOSILICATE

* CAS No.: 16893-85-9 Percent By Weight: 10 To 15 LEL: UEL:
OSHA PEL: ppm 2.5 mg/M3 TWA ACGIH TLV: ppm 2.5 mg/M3 TWA
LD50: NA LC50: NA V.P.(1)

Listed On(2) a: N b: N c: N d: Y e: N f: N g: N h: N

AVOID CONTACT WITH SKIN, DO NOT BREATHE DUST. KEEP BELOW TLV GUIDELINES

ALUMINUM PHOSPHATE

* CAS No.: 7784-30-7 Percent By Weight: < 1.0 LEL: NA UEL: NA
OSHA PEL: NE ppm mg/M3 TWA ACGIH TLV: NE ppm mg/M3 TWA
LD50: NE LC50: NE V.P.(1)

Listed On(2) a: N b: N c: N d: Y e: N f: N g: N h: N

* Defined as hazardous per 29 CFR 1910.1200 ** Indicates Active Ingredient

(1) Vapor Pressure In mm Hg

(2) a = SARA 302/304 b = SARA 313 c = CERCLA 103(a) d = TSCA e = NTP Carcinogen f = IARC Carcinogen
g = California Prop. 65 h = OSHA Carcinogen

NOTE: Multi-component products when mixed will have the cumulative hazards of all components.

SECTION III - HAZARD IDENTIFICATION

Breathing: Irritation of the respiratory tract.

Breathing: Irritation of the respiratory tract; headache, nausea, dizziness.

Eye or Skin Contact: May cause eye and skin irritation.

Swallowing: No effects anticipated from ingestion incidental to normal use. Larger quantities may cause distress of the digestive tract and nausea.

CHRONIC: Crystalline silica has been classified as carcinogenic for humans (2A) by IARC. The excessive inhalation of crystalline silica is also a known cause of silicosis. (Risk depends on duration and level of exposure.) Other possible chronic effects are silicosis, cancer, scleroderma and tuberculosis. The main route of entry is inhalation of crystalline silica. Dry silica powder should be handled with great care. When the silica is mixed and wetted by the other components the risk of inhalation is greatly reduced.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: If you are allergic or have been sensitized to: epoxies, amines, isocyanates, detergents, or other chemicals see a physician prior to use. Some individuals may require protective creams if they are sensitive to chemicals. If none of these conditions exist and you use the product in accordance with the Safe Handling and Use Information (Sections VII and VIII) you should expect no mild medical conditions to be aggravated. However if the worker is exposed for an extended period the repeated washing of skin areas with soap and water or other cleaning solutions

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SECTION III - HAZARD IDENTIFICATION Con't.

can remove a large part of the natural protective oils in the skin and require the worker to use a protective cream after each washing to replace the oils removed by washing.

ROUTE(S) OF ENTRY: (X)SKIN (X)BREATHING (X)SWALLOWING

SECTION IV - FIRST AID MEASURES

IF BREATHED: Remove to fresh air.

IF IN EYES: In case of eye contact, flush with large amounts of water for at least 15 minutes. Get medical assistance.

IF ON SKIN: Remove with soap and water. Use a good quality hand lotion to add back natural protective oils to the skin. Remove soiled clothing and laundry before reuse. Get medical assistance.

IF SWALLOWED: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult physician immediately. Treat symptomatically. Never give anything by mouth to an unconscious person.

SECTION V - FIRE FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION: FLASH POINT: NONE

EXTINGUISHING MEDIA: In case of fire, use CO₂, Dry Chemical, Foam or other National Fire Protection Association (NFPA) approved method for treating a Class B Fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SPECIAL FIRE FIGHTING PROCEDURES: NONE

SECTION VI - ACCIDENTAL RELEASE MEASURES

Wash with water. Before attempting clean-up, refer to hazard caution information in other sections of this material safety data form. Contain spilled material and remove with inert absorbent. Store in closed container until properly disposed of. Use dustless methods to pick up dry material. Store in closed container until properly disposed.

SECTION VII - HANDLING AND STORAGE

Do not store for long periods of time above 100°F or near fire or open flame. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep container closed when not in use. Do not transfer contents to bottles or other unlabelled containers. Do not reuse empty containers.

Keep out of reach of children.

SECTION VIII - PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use only with adequate ventilation. Only NIOSH/MSHA approved respirators should be used. Select the respirator by evaluation of the type of application being used and the nature of the area of application and the expected concentration of particles that could be breathed by the operator and by the lowest PEL for the dust encounter in the application. When ever using respirators refer to OSHA 1910.134 for proper respirator use and follow manufacture's directions. The best determination of respirator type to use in a particular application is to monitor for the hazardous materials during actual application. The applicator should contact a qualified safety engineer for proper selection of safety equipment based on the application conditions.

CRYSTALLINE SILICA RESPIRATORY PROTECTION. This product contains SILICA. Use a NIOSH approved air purifying or supplied-air-respirator where airborne concentrations of crystalline silica (quartz) are expected to exceed exposure limits. (see table below). Appropriate respiratory protection for respirable crystalline silica is based on the airborne exposure concentration and duration of exposure for the particular use of the respirator. A respiratory protection program in accordance with OSHA standard 28CFR 1910.134 must be implemented whenever workplace conditions warrant use of a respirator ANSI

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SECTION VIII - PERSONAL PROTECTION Con't.

Standard Z88.2 (recent revision) "American National Standard for Respiratory Protection" should also be considered. All tight-fitting respirators must be fit-tested either qualitatively or quantitatively for each respirator user. NIOSH recommends the use of respiratory protection when effective engineering controls are not feasible, or while they are being installed to control workplace exposures to crystalline silica.

Airborne Silica

Concentration Minimum Respiratory Protection

Up to 0.5mg/m³ Any air-purifying respirator with a high efficiency (HEPA) filter.

Up to 1.25mg/m³ Any powered air-purifying full-face respirator with a HEPA filter
Or any supplied-air-respirator operated in continuous flow mode.

Up to 2.5mg/m³ Any powered air-purifying full-face respirator with a HEPA filter

Or any powered air-purifying-respirator with a tight fitting facepiece and a HEPA filter.

Up to 25mg/m³ Any supplied-air-respirator operated in a pressure-demand or other positive pressure mode.

Emergency Up to 500mg/m³ Any self contained breathing apparatus with a full-facepiece and is operated in pressure-demand mode or other positive pressure mode.

PROTECTIVE GLOVES: Do not get on skin. Solvent impermeable gloves to prevent contact are recommended. Discard the gloves wWhen they are penetrated by the liquid. Wash with soap and water and use a protective cream. Use new gloves.

EYE PROTECTION: Do not get in eyes. Safety eyewear with splash guards or side shields are recommended to prevent contact.

OTHER PROTECTIVE EQUIPMENT: Do not get on skin. Solvent impermeable clothing and boots to prevent contact are recommended. If the clothing is penetrated by the liquid remove the clothing and launder before reuse. Wash the effected area with soap and water and use a protective cream. If shoes or boots are penetrated DO NOT REUSE. (Feet tend to sweat and leach out chemicals from the saturated leather). Wash the effected area with soap and water and apply protective cream. Use new shoes and or boots. Depending on the severity and extent of the skin contact medical assistance maybe required. If this is a repeated contact seek medical advice before continuing to work with the products.

HYGIENIC PRACTICES: Remove and wash soiled clothing before reuse. It is very important to use clean clothing in areas where chaffing can occur. Like the neck and collar area and the wrist area. Wash hands before eating, smoking or using the washroom. Remove any contaminated clothing and clean before reuse. Shoes and boots if contaminated must be replaced. Note that the washing of exposed areas on a regular and frequent basis can cause that area to become sensitive. The daily and frequent use of a protective cream in sensitive areas is recommended.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

WATER SOLUBILITY: Insoluble

ODOR: No odor.

WEIGHT PER GALLON: 18.57 Pounds

PERCENT VOLATILE BY VOLUME: 0.00

EVAPORATION RATE: Not applicable.

VAPOR DENSITY: Not applicable.

SECTION X - STABILITY AND REACTIVITY

STABILITY: () UNSTABLE (X) STABLE

INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

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SECTION X - STABILITY AND REACTIVITY Con't.

HAZARDOUS POLYMERIZATION:()MAY OCCUR (X)WILL NOT OCCUR

SECTION XI - TOXICOLOGICAL INFORMATION

No information available.

SECTION XII - ECOLOGICAL INFORMATION

No information available.

SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations. Incinerate only in approved facility. Do not incinerate closed containers.

SECTION XIV - TRANSPORTATION INFORMATION

DOT CLASS: NOT REGULATED

SECTION XV - REGULATORY INFORMATION

This product contains 0.00 pounds per gallon (0 grams/liter) volatile organic compounds. The VOC less water and exempt solvents is 0.00 lbs./gal. (0 gms./L.)

This product may contain chemicals as contaminants which are known to the state of California to cause cancer, birth defects or other reproductive harm. This product contains a chemical known to the state of California to cause cancer.

SECTION XVI - OTHER INFORMATION

HMIS RATING: (H)ealth 2* (F)lammability 0 (R)eactivity 0

The information contained herein is based on data believed by BLOME INTERNATIONAL to be accurate, but we do not assume any liability for the accuracy of this information. We neither suggest nor guarantee that any hazards mentioned are the only ones which exist. Anyone intending to rely on any recommendation or to use any equipment, technique or material mentioned should also satisfy himself that he can meet all applicable safety and health standards.