

PRODUCT Z3-01, 02, 03, 04; Z4-01, 02; Z5-01, 02; Z10-01;
Molecular Sieve 3A-Z8, 3A-Z8-02, 4A-Z8, 5A-Z8, 13X-Z8

APPEARANCE AND ODOR Product may appear as light tan bead, cake or powder.

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT Nonflammable
FIREFIGHTING MEDIA Dry chemical, water spray or foam.

FIRE AND EXPLOSION HAZARD - Negligible fire and explosion hazard when exposed to heat or flame by reaction with incompatible substances.

FIREFIGHTING - Nonflammable solids, liquids or gases: Cool containers that are exposed to flames with water from the side until well after fire is out. For massive fire in enclosed area, use unmanned hose holder or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of the tank due to fire.

V. HEALTH HAZARD DATA

Health hazards may arise from ingestion, inhalation and contact with the skin and eyes. Ingestion may result in damage to throat, esophagus, and/or gastro-intestinal tract. Inhalation may cause burning of the upper respiratory tract and/or temporary or permanent lung damage. Prolonged or repeated contact with the skin, in the absence of proper hygiene, may cause dryness, irritation, and/or dermatitis. Contact with eye tissue may result in irritation, burns or conjunctivitis. This product contains a small amount of crystalline silica which may cause delayed respiratory disease if inhaled over a prolonged period of time. IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to Humans (volume 42, 1987) concludes that there is "limited evidence" of the carcinogenicity of crystalline silica to humans. IARC classification 2A.

First Aid (Inhalation) - Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

First Aid (Ingestion) - If large amounts have been ingested, give emetics to cause vomiting. Stomach siphon may be applied as well. Milk and fatty acids should be avoided. Get medical attention immediately.

First Aid (Eyes) - Wash affected areas immediately and carefully for 15 to 20 minutes with running water. Get prompt medical attention.

First Aid (Skin) - Wash with soap and water.

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NOTE TO PHYSICIAN - This product is a desiccant and generates heat as it absorbs water. The used product can contain material of hazardous nature. Identify that material and treat accordingly.

VI. REACTIVITY DATA

Reactivity - Is stable under normal temperatures and pressures in sealed containers. Hazardous polymerization will not occur. Moisture can cause rise in temperature which may result in burn. Avoid sudden contact with high concentrations of chemicals having high heats of adsorption such as olefins, HCl, etc.

VII. SPILLS OR LEAK PROCEDURES

Notify safety personnel of spills or leaks. Cleanup personnel need protection against inhalation of dusts or fumes. Eye protection is required. Vacuuming or wet methods of cleanup are preferred. Place in appropriate containers for disposal keeping airborne particulate at a minimum.

Disposal Method - In selecting the method of disposal, applicable local, state and federal regulations should be consulted.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection - Provide a NIOSH/MSHA jointly approved respirator in the absence of proper environmental control or where TLV for crystalline silica may be exceeded. Contact your safety equipment supplier for proper mask type.

Ventilation - Provide general and/or local exhaust ventilation to keep exposures below the threshold limit value. Ventilation used must be designed to prevent spots of dust accumulation or recycling of dusts.

Protective Clothing - Wear protective clothing, including gloves, to prevent repeated or prolonged skin contact.

Eye Protection - Chemical splash goggles designed in compliance with OSHA regulations are recommended. Consult your safety equipment supplier.

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IX. REGULATORY INFORMATION

The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current and applicable to meet their circumstances.

This product contains substances which appear on lists of the indicated act or agency.

- American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values for Chemical Substance in the Work Environment

- California Proposition 65

- Clean Air Act 40 CFR 61

- Clean Water Act 40 CFR 116

- Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) 40 CFR 302

- International Agency for Research on Cancer (IARC) Monographs on the Evaluation of Carcinogenic Risks to Humans Volumes 1-42

- NTP Annual Report on Carcinogens

- Occupational Safety and Health Administration (OSHA) 29 CFR 1910

- Resource Conservation and Recovery Act (RCRA) 40 CFR 261 Subpart C

- Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Section 313 40 CFR 372

- Toxic Substances Control Act (TSCA) 40 CFR 700

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