

Purge ZR

Material Safety Data Sheet

Anhydrous and Hydrated, Sodium or Calcium Aluminosilicate

Natural Chabazite (CHA)

(Zeolite Powder and Granules)

Date: 09/01/98 Revised: 09/01/98 Supersedes: 08/06/98

I. PRODUCT IDENTIFICATION

Trade Name: Purge-All ZR
Chemical Name: Hydrated and anhydrous sodium aluminosilicate mineral
Synonyms: Zeolite, chabazite
CAS Registry No: 1318-02-1
DOT Hazard Class: N.A.
DOT Shipping Name: N.A.

II. PHYSICAL DATA

Appearance and Odor: Dry tan powder or granules, odorless.
Specific Gravity (liquids only): N.A.
Solubility in water: Negligible
Vapor Pressure (mm Hg at °F, nonaqueous liquids only): N.A.
Evaporation Rate (Butyl acetate = 100, nonaqueous liquids only): N.A.
Solids Content (solutions, dispersions, or pastes only): N.A.
Boiling Point (°F, nonaqueous liquids only): N.A.
pH (aqueous liquids only): N.A.

III. FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F): N.A.
Flammable Limits (vapor in air, Vol. %): N.A.
Fire Extinguishing Media: N.A.
Unusual Fire and Explosion Hazards: N.A.

IV. REACTIVITY DATA

Stability: Stable
Conditions to Avoid: In their fresh, unused, activated condition Purge-All ZR Chabazite products are not flammable. When exposed to water, however, the anhydrous products get hot. When first wetted these products can heat to the boiling point of water. Flooding will reduce the temperature to safe limits. Minimise exposure to the activated granules or powder which can under certain conditions cause a skin rash or minor burn.
Incompatibility (Materials to Avoid): N.A.
Hazardous Decomposition Products: None
NFPA Hazard ratings: Health Hazard:1 Flammability Hazard:0
Reactivity:0 Special Hazard: none

V. SPILL OR LEAK PROCEDURES

Environmental Hazards: No known adverse effects.
Spillage: Sweep, scoop, or vacuum discharged material.
Waste Disposal Method: Landfill according to local, state, and federal regulations.

VI. HEALTH HAZARD DATA

Eye Contact: May cause irritation.
Skin Contact: May cause irritation. If a rash or burn like irritation occurs wash and cool affected area, treat as a minor burn.
Inhalation: Causes Irritation.
Ingestion: No hazards known or suspected.
Chronic Hazards: No known chronic hazards. Not listed by OSHA, NTP or IARC as a carcinogen. Does **not** contain asbestos or fibrous zeolite minerals. Crystalline silica was not detected by X-Ray Defraction analysis, but may be present above the notification level of 0.10%. Crystalline silica is considered a hazard by inhalation. During October 1996, IARC reviewed the literature for polymorphs of crystalline silica and determined that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobolite from occupational sources.

VII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH approved dust mask or respirator where dust occurs.
Gloves: Plastic, rubber, or cotton.
Eye Protection: Safety glasses, or chemical goggles.
Other Protective Equipment: N.A.
Personal Hygiene: Avoid breathing dust.
Engineering Control: Use with adequate ventilation.

VIII. SUBSTANCES FOR WHICH STANDARDS HAVE BEEN SET

OSHA Permissible Exposure Limit or ACGIH Threshold Limit: Value have not been established.
Recommended Ceiling Limit: 15 mg/m³ Total dust. 5 mg/m³ Respirable fraction.
Exposure Analysis Methods: Respirable sampler or Midget impinger see: J. Am. Ind. Hyg. Assoc., 28:554 (1967)

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