

**1. Chemical Product and Company Identification**

Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610/559-8620  
Product Name: **HYDROGEL<sup>®</sup>N MOLD COMPOUND**  
Chemical Family: Mineral salts

**2. Hazardous Constituents**

| <u>Ingredient/CAS #</u>                 | <u>Exposure Limits*</u>   |
|---|---|
| Calcium sulfate and other calcium salts | ACGIH TLV 10 mg/m <sup>3</sup> (inhalable)                                |
| Magnesium carbonate                     | 3 mg/m <sup>3</sup> (respirable)  |
| Sodium salts                            | OSHA PEL 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable) |

\* The PEL and TLV for individual components of this product are the PEL and TLV for "inert or nuisance dust," which are listed here.

**3. Health Hazards**

PRIMARY ROUTE(S) OF ENTRY: Inhalation

EYE: May cause irritation.

SKIN: Prolonged contact may cause drying.

INGESTION: May cause gastrointestinal discomfort if ingested in large amounts.

INHALATION: Excessive inhalation of dust may cause respiratory tract irritation and mechanically impede respiration due to hygroscopic properties; can form a paste in the airway.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE: Pre-existing upper respiratory ailments and lung disease.

CARCINOGENICITY: Not designated as a carcinogen by NTP, IARC, or OSHA.

CHRONIC EFFECTS: None known.

**4. First Aid Measures**

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention if irritation develops.

SKIN CONTACT: Wash with soap and water.

INHALATION: Remove to fresh air. Treat symptomatically. Seek medical attention if symptoms persist.

INGESTION: If alert, drink syrup of ipecac, then induce vomiting. Seek medical attention.

**5. Fire Fighting Measures**

FLASH POINT: Not applicable

EXTINGUISHING MEDIA: Water spray and/or foam; but product is not normally combustible.

HAZARDOUS COMBUSTION PRODUCTS: Metal oxides, carbon monoxide and carbon dioxide

OTHER INFORMATION: Product is slippery when wet.

**6. Accidental Release Measures**

Shovel, sweep, or vacuum spilled product into containers. If air is dusty, use respiratory protection or evacuate and return after dust settles. Do not discharge material to sewers. If spill area gets wet, it may be very slippery.

**7. Handling and Storage**

HANDLING: Avoid breathing dust. No other special precautions.

STORAGE: Store in closed container in a cool, dry area.

**8. Exposure Controls/Personal Protection**

ENGINEERING CONTROLS: Provide general and/or local exhaust to minimize dust.

PERSONAL PROTECTIVE EQUIPMENT: Eye protection and gloves are recommended.

RESPIRATORY PROTECTION: Wear a particulate dust mask. Observe respirator use limitations specified by manufacturer.

**9. Physical Characteristics**

APPEARANCE: White to off-white powder VAPOR PRESSURE: Not applicable

ODOR: Slight odor

SOLUBILITY IN WATER: Negligible

BOILING POINT: Not applicable

SPECIFIC GRAVITY: 0.3

**10. Stability and Reactivity**

CONDITIONS TO AVOID: None known

INCOMPATIBILITY WITH OTHER MATERIALS: Acids and strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Metal oxides and carbon oxides

**11. Regulatory and Other Information**

COMMUNITY RIGHT-TO-KNOW: This product does not contain any compounds above the *de minimis* reporting levels subject to SARA Section 313 reporting requirements.

DISPOSAL: Upon disposal, this product is not a RCRA hazardous waste.

TRANSPORT: Not a hazardous material for shipping purposes based on *United Nations Recommendations for the Transport of Dangerous Goods* and 49 CFR Part 171.

EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800/424-9300.

HMS RATING: Health-1; Flammability-0; Reactivity-0; PPE-B

REVISION INDICATOR: Various minor changes.

DISCLAIMER: The information contained herein is considered accurate; however, Polytek makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.