



MATERIAL SAFETY DATA SHEET

3735 GREEN ROAD
BEACHWOOD, OHIO 44122-8068

TELEPHONE: (216)292-5000

EMERGENCIES: (216)765-6727 8:30-5:00 EST
AFTER HOURS: CHEMTREC (800)424-9300

SECTION 1

Product Name: HORIZON Coat Coarse Finish
Chemical Name:
Chemical Family: Coating
Product Code: DEV-PC340
MSDS Preparer: R. A. MIKOL
Date Prepared: 19-FEB-04
Replaces Date: N/A

Section 2 - Molecular Composition

Table with 4 columns: Common Name and Chemical Name, Exposure Limits, Weight %, CAS Number. Rows include CALCIUM CARBONATE, WATER, ACRYLIC POLYMER, TITANIUM DIOXIDE, ETHYLENE GLYCOL (1,2-ETHANEDIOL), INERT FILLER, ZINC OXIDE, CRYSTALLINE SILICA (QUARTZ), and TALC (MG3H2)((SIO3)4)(HYDROUS MAGNESIUM SILICATE).

Section 3 - Hazards Identification

Emergency Overview:
Various colored liquids. If inhaled can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system. Leave area to breathe fresh air. Avoid further exposure. If symptoms persist, get medical attention immediately.

Potential Hlth Effect/Rte of Entry:
Inhalation: Can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system.
Eyes: Can cause irritation.
Ingestion: Can cause gastrointestinal irritation.

---

Skin:

Can cause irritation.

Aggravated Medical Conditions:

Pre-existing eye, skin, kidney and respiratory disorders (eg. asthma) may be aggravated by exposure.

Acute Health Effects:

See effects described above.

Chronic Health Effects:

Animal studies indicate that prolonged and repeated overexposure to ethylene glycol may cause kidney damage and birth defects. Overexposure to sublimed zinc oxide may produce symptoms known as "zinc oxide chills" which have no recognized complications. Symptoms usually disappear within 24 hours. Crystalline silica (quartz) may cause cancer, but only limited evidence in humans. Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. Fillers are encapsulated and not expected to be released in product under normal conditions of use.

---

#### Section 4 - First Aid Measures

---

Inhalation:

Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

Eyes:

Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.

Ingestion:

Get medical attention immediately.

Skin:

Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Notes to Physician: N/A

---

#### Section 5 - Fire Fighting Measures

---

Flash Point: NONE (WATER BASED)

Method: N/A

Lower Flammability Limit: N/A

Upper Flammability Limit: N/A

Autoignition Temperature: NOT ESTABLISHED

Extinguishing Media:

Not applicable. Water base compound, not expected to burn.

Special Fire Fighting Procedures:

During a fire, personnel at the scene are to prevent exposure to fumes using accepted fire fighting techniques.

Fire Fighting Equipment: N/A

Other Precautions:

Not Applicable

---

#### Section 6 - Accidental Release Measures

---

Release Response Overview:

Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

---

#### Section 7 - Handling and Storage

---

Handling and Storage Precautions:

Store under normal warehouse conditions. Prevent inhalation of vapor, ingestion, and contact with skin and eyes. Keep container closed when not in use. Precautions also apply to emptied containers. Change soiled workclothes frequently. Clean hands thoroughly after handling.

---

#### Section 8 - Exposure Controls/Personal Protection

---

Respiratory:

Wear appropriate, properly fitted NIOSH/MSHA approved respirator when the airborne contaminant level(s) exceed the exposure limits indicated on the MSDS. Follow respirator manufacturer's directions for respirator use.

Skin:

Protect hands with impervious rubber gloves and wear rubber apron and overshoes. Prevent contact with skin.

Eyes:

Chemical splash goggles.

Face:

Face shield is recommended.

Engineering:

Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the exposure limit in Section 2 of the MSDS.

-----  
Section 9 - Physical and Chemical Properties  
-----

Odor/Appearance: MILD AMMONIA/VARIOUS COLORED VISCOUS LIQUID  
Color: VARIOUS  
Physical State: VISCOUS LIQUID  
pH: 9-10  
Vapor Pressure: NOT ESTABLISHED  
Vapor Density: >1 (AIR=1)  
Boiling Point: 212F (WATER)  
Melting Point: N/A  
Freezing Point: 32F  
Solubility in Water: SOLUBLE  
Specific Gravity: 1.33  
% Volatile Weight: 37.0  
-----

Section 10 - Reactivity/Stability  
-----

Stability:

Stable

Incompatible Products:

Avoid contact with oxidizing agents, strong acids and bases.

Conditions to Avoid Polymerization:

Hazardous polymerization will not occur.  
-----

Section 11 - Toxicological Information  
-----

Eyes:	SEE SECTION 3
Ingestion:	" " "
Inhalation:	" " "
Skin:	" " "
Subchronic:	" " "
Chronic:	" " "

  
-----

Section 12 - Ecological Information  
-----

Ecotoxicological Data: N/A  
Chemical Fate: N/A  
-----

Section 13 - Disposal Considerations  
-----

RCRA Class: N/A  
Disposal Method:  
Not regulated by RCRA. Dispose of in compliance with state and local regulations.  
EPA Reportable Quantities  
-----

N/A  
-----

Section 14 - Transportation Data  
-----

DOT Shipping Name: NOT REGULATED  
DOT Hazard Class: NOT APPLICABLE  
DOT Label:  
UN/NA Number:  
Packing Group:  
Special Provisions:

Packaging

-----  
Exceptions:  
Non-Bulk:  
Bulk:

Quantity Limitations

-----  
Passenger Aircraft or Railcar:  
Cargo Aircraft:

Vessel Stowage Requirements

-----  
Vessel Stowage:  
Other Stowage:

Transportation Notes: N/A

-----  
Section 15 - Regulatory Information  
-----

TSCA Status: On the TSCA Inventory  
OSHA Status: Considered hazardous based on the following criteria:  
Irritant

Target Organs

-----  
Lung  
Skin  
Eye  
Kidney

OSHA Hazardous Components

CAS Number

-----  
INERT FILLER Trade Secret  
CALCIUM CARBONATE 1317-65-3  
\* CRYSTALLINE SILICA (QUARTZ) 14808-60-7  
ZINC OXIDE 1314-13-2  
TITANIUM DIOXIDE 13463-67-7  
ETHYLENE GLYCOL (1,2-ETHANEDIOL) 107-21-1  
\* - CHEMICAL IS LISTED AS AN IARC, NTP, OSHA, or ACGIH CARCINOGEN

Compliance Quantities

-----  
N/A

SARA 311 Ratings

-----  
Immediate Health Hazard: N  
Delayed Health Hazard: Y  
Fire Hazard: N  
Reactivity Hazard: N  
Sudden Release of Pressure Hazard: N

SARA 313 Ingredients

CAS Number

-----  
ZINC OXIDE 1314-13-2  
ETHYLENE GLYCOL (1,2-ETHANEDIOL) 107-21-1

Proposition 65 Ingredients

-----  
Chemicals known to the State of California to cause cancer,

---

birth defects and/or other reproductive harm.

CAS Number

-----  
CRYSTALLINE SILICA (QUARTZ)

-----  
14808-60-7  
-----

Section 16 - Other Information

-----  
FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.  
THE HAZARD INFORMATION HEREIN IS OFFERED SOLELY FOR THE CONSIDERATION  
OF THE USER, SUBJECT TO HIS OWN INVESTIGATION OF COMPLIANCE WITH APPLICABLE  
REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE  
CONDITION.