

Pearl Ex Duo Green-Yellow**MSDS No: 682 Effective Date: 2/28/01 Amendatory Date: 3/1/2010****1. Product Identification****Product Code: 682****2. Composition/Information on Ingredients**

Ingredients	%	ACGTH-TLV	OSHA-PEL	CAS No.
Titanium dioxide	41.0	10q mg/m ³	10q mg/m ³	1317-80-2
Mica	56.5	3c mg/m ³	3c mg/m ³	12001-26-2
Tin Oxide	01.1	2 mg/m ³	2 mg/m ³	18282-10-5
Graphite	N/A	2.5c mg/m ³	15b mg/m ³	7782-42-5
Chromium hydroxide	00.9	N/A	N/A	1308-14-1
Iron Oxide FE 203	N/A	5u mg/m ³	10d mg/m ³	1309-37-1

c. respirable dust; q. total dust and containing no asbestos and <1% free silica; N/A Not Available

3. Physical & Chemical Characteristics**Boiling Point: N/A****Vapor Pressure: N/A****Vapor Density: N/A****Solubility in Water: Not soluble****Appearance & Odor: Green powder****Specific Gravity: 3.10-3.20 g/cm³****Melting Point: N/A****Evaporation Rate: N/A****4. Fire & Explosion Data****Flash Point: N/A****Auto Ignition: N/A****Extinguishing Media: Water spray, foam, carbon dioxide or dry chemical****Special Fire Procedures: N/A****Unusual Hazards: N/A****5. Reactivity Data****Stable: Stable****Conditions to Avoid: N/A****Incompatibility: N/A****Hazardous Decomposition: Carbon monoxide and carbon dioxide****Hazardous Polymerization: Will not occur****6. Health Hazards****Routes of Entry: Eyes, inhalation and ingestion****Acute: Persistent cough and possible difficulty breathing.****Chronic: Chronic inhalation may cause pulmonary fibrosis****Signs & Symptoms of Exposure: Dust may cause mechanical irritation to the eyes and respiratory tract. May cause pulmonary fibrosis and permanent damage when ingested in large quantities over long periods of time.****Medical Conditions Aggravated: None known other than those that could be aggravated by dust exposure such as respiratory impairment.**

Carcinogenic: N/A

7. Emergency & First Aid Procedures

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If discomfort persists, get medical attention.

Skin: Wash affected area with soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 glasses of milk or water. Get medical attention.

8. Special Precautions & Spill/Leak Procedures

Handling & Storage: Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Provide adequate ventilation. Keep container tightly closed to minimize dust generation. Avoid ingestion, inhalation and contact with eyes and skin. The packages should be sound and puncture-proof, press-proof and damp-proof. Store in a dry, well ventilated place.

Steps if Spilled: Vacuum or sweep up material and place it into a suitable disposal container. Clean up spills immediately, observe precautions in Protective Equipment section. Avoid generating the phenomenon of dust. Provide ventilation.

Waste Disposal: Dispose of in accordance with all state, local and federal regulations.

9. Special Protection Information

Respiratory Protection: NIOSH approved dust respirator

Ventilation: Local exhaust

Protective Gloves: Rubber or plastic

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Other Protection: plastic apron, sleeves and boots if handling large quantities. Safety showers and eyewash stations

Work/Hygienic Practices: Follow general industrial hygiene

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