

SECTION 5 - REACTIVITY DATA

STABILITY: Stable Unstable
POLYMERIZATION: Will Not Occur Will Occur

CONDITIONS TO AVOID: Where dust is present - sparks. Avoid high temperatures and humidity.

INCOMPATIBILITY (Materials to Avoid): Avoid contact with hydrofluoric acid. Contact with acids liberates hydrogen fluoride gas which is toxic and corrosive.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: At elevated temperatures various fluoride compounds will be liberated, including hydrogen fluoride and potassium fluoride. At temperatures above 1450°C releases sulfur dioxide and calcium oxide.

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS	X							
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN	X							
CARCINOGENICITY	X				X	X		Calif. Prop 65
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation Skin Ingestion

HEALTH HAZARD (Acute and Chronic): Contains crystalline silica, which is considered a hazard by inhalation. IARC has classified it as a probable carcinogenic for humans. Crystalline silica is also a known cause of silicosis, a non-cancerous lung disease. Contains potassium titanium fluoride. Acute over ingestion of fluoride salts can cause severe gastric pain, internal bleeding, tissue damage and death. Acute poisoning from inhalation is not common. Fluoride salts are soluble in body fluids and sweat and are corrosive to the skin and mucous membranes.

Chronic exposure to fluoride compounds has been reported to cause osteosclerosis. Prolonged exposure to fluoride salts may cause damage to the skin, eye and mucous membranes. Inhalation of high levels of zinc oxide may result in dizziness, fever, chills, headache, nausea, and dry throat. Overexposure to zinc dust may produce symptoms known as metal fume fever. Fetotoxic and post-natal effects in animal tests at high levels of Zinc Oxide in the diet which may also cause maternal effects. Mutation references cited, animal reproductive affects cited. Tetrasodium pyrophosphate is extremely irritating to eyes.

CALIFORNIA PROP 65 WARNING: This product contains crystalline silica, a chemical known to the State of California to cause cancer.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Irritation and soreness in throat and nose.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Crystalline silica, calcium sulfate may aggravate preexisting upper respiratory and lung diseases.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air, drink water to clear throat and blow nose to evacuate dust.

INGESTION: Ingestion of fluoride compounds requires medical attention. Do not induce vomiting. Dilution of ingested fluoride must be done with caution.

SKIN: Wash with soap and water.

EYES: Flush with large quantities of water. If irritation develops or persists seek medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Avoid generating dust while sweeping. If an excessive amount of dust is generated use a filter equipped vacuum.

WASTE DISPOSAL METHOD: In accordance with local, state and federal regulations.

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Store at room temperature and humidity.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Minimize exposure in accordance with good hygiene practice. If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes.

VENTILATION: Local Exhaust: Yes **Mechanical:** Yes **Special:** N.A. **Other:** N.A.

PROTECTIVE GLOVES: Disposable vinyl gloves

EYE PROTECTION: As necessary for dusts

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICE: Follow routine safe hygiene practices.



SECTION 9- PREPARATION INFORMATION

This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR 1910,1200 and W.H.M.I.S. CPR

DATE: 09 January 2006

REVIEWED: 15 January 2009

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N.A. = NOT APPLICABLE
N.E. = NOT ESTABLISHED

The information herein is given in good faith. No warranty expressed or implied is made.

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FIRE - 0

TOXICITY - 2

NFPA
REACTIVITY - 1

SPECIAL- COR
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