

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYES - Vapors, liquid, and mists can irritate and burn the eyes. SKIN - Severe irritation of the skin and fluoride like burns, which may not be immediately evident.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May not be painful or show visible effects until hours after skin exposure during which time the acid has penetrated the skin causing possible destruction of tissue and development of skin ulcers. Readily absorbed through the skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Vapors, mists, and liquid are corrosive to the mouth and throat. Swallowing the liquid causes severe burning of the mouth, throat, and digestive tract accompanied by severe pain, vomiting, and collapse.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Repeated exposure to fluoride containing products may cause excessive calcification of the bones and certain ligaments. Stiffness and limitation of motion may result. The respiratory, circulatory, gastric, intestinal, and nervous system can be affected. Fluoride poisoning can be fatal.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

The components of this product are not considered to be carcinogens by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Exposures can aggravate asthma attacks.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION - Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention. EYES - Immediately flush eyes with lots of running water for 30 minutes holding eyelids open. GET MEDICAL ATTENTION. SKIN - Immediately flush with cold running water for at least 15 minutes paying attention to skin under the nails. Remove contaminated clothing. Get immediate medical attention no matter how minor burns may appear. INGESTION - DO NOT INDUCE VOMITING. If conscious, give lots of water. GET IMMEDIATE MEDICAL ATTENTION.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

For small spills dilute with water, mop or wipe up and contain. For large spills, contain by diking with absorbent material and carefully neutralize with lime. Keep material out of sewers, storm drains, surface waters, and soil.

WASTE DISPOSAL METHOD

Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. Dispose of contaminated product and materials used in clean up in a manner approved for this material and the contaminant. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a dry, well ventilated place away from incompatible materials. Keep container tightly closed when not in use. Store at temperatures above the solutions freezing point to remain liquid. Do not use pressure to empty container.

OTHER PRECAUTIONS

Empty containers usually still hold residues of material and vapors. These must be considered hazardous and disposed of in accordance with proper handling procedures prescribed for hazardous chemicals. When mixing with water, always add this product to water and stir.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

In the absence of adequate ventilation an approved respirator may be required.

VENTILATION

Be sure to provide adequate ventilation in all working areas at all time. In general, health problems could result from repeated and prolonged exposure to chemical vapors.

PROTECTIVE GLOVES

Wear resistant gloves such as polyethylene or rubber.

EYE PROTECTION

Chemical splash goggles should be worn during application of this product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Where gross eye and skin contact may occur use and wear appropriate clothing, rubber boots with pants on the outside, and rubber gloves.

WORK/HYGIENIC PRACTICES

Standard hygienic practices must be observed when handling all chemicals.

===== **SECTION IX - DISCLAIMER** =====

Information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and for the safety and health of employees.