
SECTION VI – Health Hazard Data

ROUTES OF ENTRY: INHALATION? X SKIN? X INGESTION? Not likely.

HEALTH HAZARDS: (Acute and Chronic)

- Eye irritant. Prolonged contact will damage the eyes and could cause permanent injury.
- Inhalation of fumes can cause irritation of respiratory system. Prolonged exposure could cause damage to nasal and passages.
- Skin irritation can occur from brief contact. Prolonged exposure can cause severe burns.
- Ingestion can cause irritation and burns to the mouth, throat and stomach.

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

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation to eyes, nose and mouth. Burning sensation to skin.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin disorders, eye, skin and respiratory problems.

EMERGENCY FIRST AID PROCEDURES:

- Eye or skin contact: Flush immediately with copious running water for at least 15 minutes. See physician and advise to treat for hydrofluoric acid exposure.
- If ingested: DO NOT induce vomiting. Give large quantities of milk or water. Get immediate medical attention.

SECTION VII – Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- Small spill: Neutralize with sodium bicarbonate or 50/50 mixture of soda ash and slaked lime. Flush with water.
- Large spill: Wear protective equipment and clothing. Contain spill by diking with non-combustible absorbent material. Pump to salvage tank. Neutralize remainder with 50/50 mixture of soda ash and slaked lime. Scoop up neutralized mixture and wash site with soda ash solution. Report spills in accordance with governmental regulations.

WASTE DISPOSAL METHOD:

Raise pH to 11 with CaOH. 2.2 pounds per gallon required to raise undiluted, unused liquid to pH of 8. Dispose of wastes in accordance with applicable government regulations. Raising pH to 11 will cause heavy metals to precipitate. The sludge formed may contain nickel, chromium, or other heavy metals.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Handle as any white label material. Wear protective equipment when handling. Do NOT wear contact lenses. In case of spill, remove and discard contaminated clothing and laundry before reuse. Discard contaminated shoes.

OTHER PRECAUTIONS:

Emptied containers may still contain product residues (liquid and vapor) and could be hazardous. Do not reuse. Dispose of in accordance with applicable government regulations.

SECTION VIII – Control Measures

RESPIRATORY PROTECTION (Specify Type): Not needed IF adequate ventilation is provided. If needed, use self-contained breathing apparatus or supplied air respirator or other NIOSH approved respiratory device.

VENTILATION: LOCAL EXHAUST? Mechanical with hood. SPECIAL: NA

MECHANICAL (General)? Not recommended. OTHER? NA

PROTECTIVE GLOVES: Rubber gloves. EYE PROTECTION: Chemical goggles and full face piece respirator is worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Full rubber apron recommended. Depending on size of operation, acid resistant slicker suit with rubber boots may be advisable. Eye wash and shower should be readily available.

WORK/HYGIENIC PRACTICES: Do not reuse empty containers. Clean up spills immediately. Do not eat or keep food in the work area. Wash hands before eating.