



Safety guidelines for handling concentrated materials

Substance: Formaldehyde

STORAGE: Store at room temperature, away from heat sources. Don't freeze, use in well-ventilated spaces

DANGERS: Poisonous, corrosive, carcinogenic, may cause eye irritation, skin irritation, breathing problems.

SAFETY MEASURES: Use safety glasses and gloves, exhaust hood recommended

IN CASE OF INGESTION: Do not ingest. Ingesting the solution can cause burning of the mouth and esophagus, nausea and vomiting, severe stomach pain and diarrhea, vertigo, convulsions, and loss of consciousness. On average the ingestion of 2 oz of concentrated solutions (2 cups or 620 cc of 10% solution) is considered a dose that can prove fatal to humans.

FIRST AID MEASURES FOR THE SKIN: Remove any affected clothing immediately. Wash the affected area with soap or mild detergent and plenty of water so that no trace of the chemical remains. Indicative washing time: 15 minutes. In case of chemical burns, cover the burnt area with a sterile, dry gauze. Bandage tightly but not too tightly. Seek medical aid immediately by specialized medical personnel.

FIRST AID MEASURES FOR THE EYES: Wash with plenty of water, taking care to periodically allow the water to penetrate even under the eyelids, so that no trace of the chemical remains (at least 15-20 minutes). Afterwards keep washing with saline (30-60 minutes) until the pH returns to normal. Cover with sterile gauze. Seek medical aid immediately by specialized medical personnel.

FIRST AID MEASURES IN CASE OF INGESTION: Absorb, neutralize, or cause dilution of the ingested formaldehyde by ingesting active charcoal, milk or tap water. Don't induce vomiting. Any organic material will neutralize the formaldehyde. Seek medical aid immediately by specialized medical personnel.

MEASURES TO COUNTERACT LEACKAGE OR SPILLING: Air or ventilate the area. If there is a puddle, cover it with a 1:1:1 mixture of Sodium Carbonate, cat litter made of clay, and sand. Let the mixture absorb the liquid, shovel it in a container and move it under the exhaust hood. Mix it with cold water (about 10ml of water for every 1ml of formalin solution). Gradually add chlorine (commercially available general-purpose detergent), in a ratio of 2,5ml for every 1ml of formalin solution. Let the entire mixture "sit" for 20 minutes. Afterwards, pour the liquid in the sink and wash away with water. Dispose of the solid waste that has remained as you would with normal waste.