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K O S L O W . C O M

EMERGENCY NUMBER: 800-535-5053

MATERIAL SAFETY DATA SHEET

SOLUTION NO. 3023

POTASSIUM HYDROXIDE, CAS# 1310-58-3 CHEMICAL NAME: POTASSIUM HYDROXIDE

POTENTIAL ACUTE HEALTH EFFECTS:

Very hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant, corrosive), of ingestion, of inhalation. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel.

FIRE AND EXPLOSION DATA non-flammable – N/A.

ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.

STORAGE

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23°C (73.4°F).

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection: Splash goggles. Synthetic apron. Be sure to use an approved/certified respirator or equivalent. Gloves.

Exposure Limits: CEIL: 2 (mg/M3) from OSHA (PEL) [United States] CEIL: 2 (mg/m3) from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.

PHYSICAL AND CHEMICAL PROPERTIES

Odor: Odorless. Taste: Not available Molecular Weights: 56.11 g/mole

STABILITY AND REACTIVITY DATA

Stability: The product is stable.

Incompatibility with various substances:

Highly reactive with acids. Reactive with organic materials, metals, moisture.

Corrosivity: Extremely corrosive in presence of aluminum, brass, and zinc. Slightly corrosive in presence of copper, of stainless steel (304). Non-corrosive in presence of stainless steel (316).

Special remarks on Corrosivity: Attacks metals such as aluminum, tin, lead, and zinc, producing flammable hydrogen gas. Severe corrosive effect on brass and bronze.

TOXICOLOGICAL INFORMATION

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Other Toxic Effects on Humans: Very hazardous in case of skin contact (corrosive, irritant), of eye contact (corrosive), of ingestion.

DISPOSAL CONSIDERATIONS

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL-INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. KOSLOW SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THE LISTED HAZARDS APPLY TO THE SMALL, GLASS ENCLOSED QUANTITY OF THE HAZARDOUS COMPONENT. LARGER AMOUNT OR HIGH CONCENTRATIONS MAY HAVE A HIGH RISK.