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K O S L O W . C O M

MATERIAL SAFETY DATA SHEET

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IDENTIFICATION #3017 – Electrode Filling Solution

Potassium Sulfate Solution, (In water) Synonyms:

Sulfuric acid dipotassium salt; sal polychrestum

CAS No.: 7778-80-5

Molecular Weight: 174.26

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Health Rating: 1 - Slight, Flammability Rating: 0 - None

, Reactivity Rating: 1 - Slight

Contact Rating: 1 - Slight, Lab Protective Equip:

GOGGLES; LAB COAT; PROPER GLOVES

Storage Color Code: Green (General Storage)

Inhalation:

Possible nuisance dust effect, sneezing or coughing.

Ingestion:

Large oral dosages may produce gastrointestinal disturbances and irritation.

Skin Contact:

Not expected to be a health hazard from skin exposure.

Eye Contact:

No adverse effects expected but dust may cause mechanical irritation.

Chronic Exposure:

Not expected to be a health hazard. Potassium poisoning may occur in rare cases of long exposure or ingestion.

Aggravation of Pre-existing Conditions:

No adverse health effects expected.

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact:

Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact: Wash thoroughly with running water. Get medical advice if irritation develops.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.

Boiling Point: 1689C (3072F)

Melting Point: 1067C (1953F)

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate (BuAc=1): No information found.

Hazardous Decomposition Products:

Oxides of sulfur and potassium.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Aluminum and magnesium.

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