EMS CATALOG NO: 22400

EMS PRODUCT: Uranyl Acetate DATE: 06/15/2006

DATE: 06/15/20
PAGE NUMBER: One of 3

MATERIAL SAFETY DATA SHEET

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Electron Microscopy Sciences assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

ELECTRON MICROSCOPY SCIENCES
321 MORRIS ROAD
P.O. BOX 251
FORT WASHINGTON, PA 19034

FORT WASHINGTON, PA 19034 24 HOUR EMERGENCY PHONE NUMBER

(215) 646-1566 CHEMTREC: (800) 424-9300

FOR PRODUCT AND SALES INFORMATION

CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

PRODUCT IDENTIFICATION

PRODUCT NAME: URANYL ACETATE

CAS #: 541-09-3

CHEMICAL FORMULA: UO2 (CH3COO) 22H2O

SYNONYMS: URANYL ACETATE

PROPERTIES: Yellow crystalline solid, Soluble in water.

COMPOSITION: Inorganic salt

HAZARDS IDENTIFICATION

HEALTH HAZARDS: Very toxic by ingestion and if inhaled as

dust. Toxic by skin contact if skin is cut or abraded. Danger of cumulative effects.

TOXICITY DATA: LD50 oral rat: 204 mg/kg (solid)

CARCINOGENICITY: Should be treated as a suspected carcinogen.

MUTAGENICITY/

TERATOGENISITY: May cause adverse mutageneic or teratogenic

effects.

HAZARD IDENTIFICATION: TRANSPORTATION INFORMATION:

SYMBOLS: R T HAZARD CLASS: 7

REGULATORY INFORMATION: Not implemented.

FIREFIGHTING MEASURES

Not applicable.

FIRST-AID MEASURES

EYES: Irrigate thoroughly with water for at least 10

minutes. If discomfort persists obtain medical

attention.

LUNGS: Remove from exposure, rest and keep warm. In

severe cases obtain medical attention.

SKIN: Wash off skin thoroughly with water. Remove

contaminated clothing and wash before re-use. In

severe cases, OBTAIN MEDICAL ATTENTION.

MOUTH: Wash out mouth thoroughly with water and give

plenty of water to drink. OBTAIN MEDICAL

ATTENTION.

STABILITY AND REACTIVITY

STABILITY: Stable.
REACTION WITH WATER: None.
OTHER KNOWN HAZARDS: No data.

AVOID CONTACT WITH: Water: No.

Acids: No.
Bases: No.
Oxidizers: Yes.
Combustibles: No.

NFPA RATINGS: Never rated - depleted/low radioactive.

ACCIDENTAL RELEASE MEASURES

Precautions: Wear appropriate protective clothing.

Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillages liquids should be contained with sand or earth and both treated as for small spillages. If material has entered surface drains it may be necessary to inform local authorities, including fire service if flammable.

DISPOSAL: Disposal of through local authorities if appropriate facilities are available, otherwise pass to chemical

disposal company.

EXPOSURE CONTROLS/PERSONAL PROTECTION

UK Exposure Limits: OES, mg/m3 (Long Term 8hr TWA) - 0.2

Respirator: Dust respirator.

Ventilation: Extraction hood.

Gloves: Rubber or plastic.

Eye Protection: Goggles or face shield.

Other Measures: Plastic apron, sleeves, boots - if handling

large quantities.

ECOLOGICAL DATA: Not implemented.

STORAGE AND HANDLING

Special Requirements:

As required by the Ionizing Radiations Regulations 1985 and the Radioactive Substances Act 1960. Keep in metal outer container. Users must give at least 28 days notice to the Health and Safety Executive before working for the first time with more than 260g (as U).