

EMS CATALOG NO: 22400
EMS PRODUCT: Uranyl Acetate
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MATERIAL SAFETY DATA SHEET

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FOR PRODUCT AND SALES INFORMATION

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PRODUCT IDENTIFICATION

PRODUCT NAME: URANYL ACETATE
CAS #: 541-09-3
CHEMICAL FORMULA: UO₂(CH₃COO)₂·2H₂O
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.

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).