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BACK TO MSDS MAIN

Uranyl Magnesium Acetate MSDS

Safety (MSDS) data for uranyl magnesium acetate

General

Synonyms: magnesium bis(acetato-O)dioxouranate, magnesium uranyl acetate
Use:
Molecular formula: $MgUO_4(CH_3COO)_2$
CAS No: 20596-93-4
EINECS No:

Physical data

Appearance: yellow crystalline solid
Melting point:
Boiling point:
Vapour density:
Vapour pressure:
Density (g cm^{-3}):
Flash point:
Explosion limits:
Autoignition temperature:
Water solubility: soluble

Stability

Stable. Incompatible with strong oxidizing agents.

Toxicology

Very toxic if swallowed or inhaled. Danger of cumulative effects - possible carcinogen, mutagen or teratogen. (Unenriched uranium compounds, while radioactive, typically have low radioactivity, so their toxicity is determined principally by their chemical nature.)

Toxicity data
Risk phrases

Transport information

UN No 2910. Hazard class

Personal protection

Safety glasses, gloves, good ventilation. Treat as a possible carcinogen.

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: 29123 ID No.: 2912300

Product name: **Magnesium uranyl acetate**

Manufacturer/supplier identification

IBI Labs

3495 N. Dixie Hwy. Unit # 8

Boca Raton, FL 33431

2. Composition/information on ingredients

Chemical characterization

Inorganic salt

Product name: Magnesium uranyl acetate

CAS number: 20596-93-4 EC-No.: 243-905-8

3. Hazards identification

Very toxic by inhalation and if swallowed. Danger of cumulative effects.

4. First aid measures

EYE CONTACT: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL

ATTENTION.

INHALATION: Remove from exposure, rest and keep warm. In severe cases, or if exposure has been

great, OBTAIN MEDICAL ATTENTION.

SKIN CONTACT: Drench the skin thoroughly with water. Remove contaminated clothing and wash

before re-use. Unless contact has been slight, OBTAIN MEDICAL ATTENTION.

INGESTION: Wash out mouth thoroughly with water and give plenty of water to drink.

OBTAIN

MEDICAL ATTENTION.

5. Fire-fighting measures

Special risks:

Not readily combustible.

The following may develop in event of fire: radioactive dust.

Suitable extinguishing media:

Water spray, foam, dry powder or carbon dioxide

6. Accidental release measures

Wear appropriate protective clothing. Inform others to keep at a safe distance.

Mix solids with wet sand and absorb liquids on an inert absorbent, and transfer carefully to sealed

container. Arrange for 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 liquids and solids transferred

to salvage containers. Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

Observe national regulations.

Wash hands and face thoroughly after working with material. Contaminated clothing should be

removed and washed before re-use.

Storage:

Observe national regulations.

Store at room temperature (15 to 25°C recommended).

Keep locked up and in metal outer container.

8. Exposure controls/personal protection

Engineering methods to control or prevent exposure are preferred. Methods could include process

enclosure or mechanical ventilation.

Respirator: Self-contained breathing apparatus

Ventilation: Extraction hood

Gloves: Rubber or plastic

Eye Protection: Goggles or face-shield

Other Precautions: Chemical worker`s protective suit, boots.

9. Physical and chemical properties

Form: crystals

Colour: yellow

Odour: weakly of acetic acid

Melting temperature No data

Vapour pressure Not applicable

Solubility in water Soluble

Flash point Not applicable

Explosion limits: lower: No data

Auto-ignition temperature No data

10. Stability and reactivity

Stable.

Incompatible with: strong oxidizing agents.

11. Toxicological information

After inhalation: Highly toxic.

After eye contact: irritant effect

After skin contact: toxic if skin is damaged.

After ingestion: Highly toxic. Danger of cumulative effects.

Other comments: Radioactive (radioactivity 2070Bq/g).

Further data

No relevant studies identified.

Should be treated as a suspected carcinogen.

May cause adverse mutagenic or teratogenic effects.

12. Ecological information

Toxic material likely to present a pollution hazard if allowed to enter drainage systems.

Do not allow to enter drinking water supplies, waste water, or soil!

13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which

vary according to location. Contact your local waste disposal authority for advice, or pass to a

chemical disposal company.

Empty containers must also be treated as special waste.

14. Transport information

UN-No.: 2910 IMDG class: 7

IMO: 7/2910Packaging group:

IATA: 2910 Packaging group:

Correct technical name: RADIOACTIVE MATERIAL,LOW SPECIFIC ACTIVITY

ADR/RID: 7,Sch 05

15. Regulatory information

Labelling according to EC directives

Symbol: T R Toxic. Radioactive.

R-phrases: R26/28-33

Very toxic by inhalation and if swallowed. Danger of cumulative effects.

S-phrases: S20/21-45

When using do not eat, drink or smoke. In case of accident or if you feel unwell, seek medical advice

immediately (show the label where possible).

EC-No.: 243-905-8

Local Regulations

Ionising Radiations Regulations 1985 Etc

UK Exposure Limits:

16. Other information

Radioactive Substances Act 1960

Radioactive Substances (Carriage by Road) Regulations 1974

Users must give at least 28 days notice to the HSE before working for the first time with more than

260g (as U).

This information was last updated on June 6, 2005. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use,

misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.