

POCH Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH). Creation date / last update: 2004-01-22 / 2005-10-16

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

Uranyl acetate 2 hydrate

Catalogue Numbers: p.a.-868540111;

Use of the substance / preparation: chemical reagent

POCH SA

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2. Hazard identification

Danger of cumulative effects. Toxic by inhalation and if swallowed.

3. Composition/information on ingredients

Synonyms: bis(acetato-O)dioxouranium

CAS-No.: 6159-44-0

Molecular mass: 424,13

Molecular formula: $C_4H_6O_6U_2 \cdot H_2O$

WE Number: 208-767-5

EC-Index No.: 092-002-00-3

4. First aid measures

After eye contact: *rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Summon eye specialist.*

After skin contact: *wash off with plenty of water. Take off contaminated clothing.*

After swallowing: *make victim drink plenty of water or milk. Induce vomiting. Immediately summon doctor.*

After inhalation: *fresh air, call on doctor.*

5. Fire-fighting measures

Suitable extinguishing media: *CO₂, foam, water, powder*

Special risk: *no further requirements*

Special protective equipment for fire fighting:

Other information: *non-combustible*

Prevent fire-fighting water from entering surface water or groundwater. Cool container with spray water from a safe distance.

Contain escaping vapours with water.

6. Accidental release measures

Take up dry. Forward for disposal. Clean up affected area. Do not allow to enter sewerage system. Avoid generation of dusts, do not inhale dusts.

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7. Handling and storage

Handling: *Use with adequate ventilation. Use of the basic principles of Industrial Hygiene. Use according to good industry practice. Work under hood. Do not inhale substance. Do not empty into sewerage system. Use protective equipment according to p.8. Avoid skin contact.*

Storage: *tightly closed. Dry well-ventilated place. Protect from heat. Room temperature (At +15 to +25 deg C).*

8. Exposure controls/personal protection

Specific control parameter: *OEL: 0,015mg/m³ as U.*

Provide exhaust ventilation. Ensure the eye wash station and safety showers. Protective equipment should be selected for the working place, depending on concentration and quantity of the hazardous product handled. The resistance of the protective clothing to chemicals should be ascertained with respective supplier.

Personal protective equipment:

respiratory protection: *required when dusts are generated - respiratory protection*

eye protection: *required - safety goggles.*

hand protection: *required - protective clothing.*

body protection: *required - protective clothing.*

industrial hygiene: *immediately change contaminated clothing. Apply skin - protective barrier cream. Wash hands and face after working with substance.*

9. Physical and chemical properties

Form: *solid*

Colour: *yellow*

Odour: *weak of acetic acid*

pH value: *not available*

Melting point: *275°C (decomp)*

Boiling point: *not available*

Autoignition temperature: *not applicable*

Flash point: *not applicable*

Explosion limit: *not applicable*

lower:

upper:

dynamic viscosity:

kinematical viscosity:

Vapour pressure: *not available*

Density: *2,893 g/cm³ (20°C)*

Bulk density: *not available*

Solubility:

in water: *77 g/l (20°C)*

in organic solvents: *not available*

log P(w/o):

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10. Stability and reactivity

Conditions to be avoided: *no further requirements*

Substances to be avoided: *reducing agents*

Hazardous decomposition products: *no information available*

Other information: *light sensitive*

11. Toxicological information

Toxicological information: *LD50(oral, rat): 204 mg/kg.*

Other information: *Soluble uranium salts are moderately hazardous. After inhalation: dangerous of absorption, irritation of mucous membranes, coughing and dyspnoea, after eye contact: irritation, reddening and pain, after skin contact: slight irritation, after swallowing: irritation of gastrointestinal tract, Dangerous of absorption. After prolonged exposition damaged kidneys and liver. Radioactivity- induced malignancies are also possible.*

12. Ecological information

Quantitative data on the ecological effect of this product are not available. Hazardous for aquatic organisms. Do not allow to enter waters, waste water or soil.

13. Disposal considerations

POCH product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Handle contaminated packing in the same way as the substrate itself. Always contact a permitted waste disposal to assure compliance with all current local, state and federal regulations.

14. Transport information

ADR Class and package group: 7

UN Number: 2910

Name (acc. to UN): *radioactive material excepted package-limited quantity of material*

15. Regulatory information

Labelling according to EC Directives.

Symbol: *T+, N; Highly toxic. Dangerous for the Environment.*

R-phrases: *23/25-33; Danger of cumulative effects. Toxic by inhalation and if swallowed.*

S-phrases: *20/21-45; In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When using do not eat, drink or smoke.*

EC label.

16. Other information

slightly radioactivity: specific activity about 0,2 microcuries/g (alpha). Half life: 4.5x10⁹ years

Reason for alteration: *general update.*

Information contained in this SDS while accurate to the best knowledge