

POCH Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH). Creation date / last update: 2002-10-15 / 2003-10-17

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

POTASSIUM CHROMATE

Catalogue Numbers: pure-740250424; pure p. a.-740250118;

Use of the substance / preparation: reagent for analysis or synthesis

POCH SA

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2. Hazard identification

May cause sensitization by skin contact. May cause heritable genetic damage. May cause cancer by inhalation. Irritating to eyes, respiratory system and skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

CAS-No.: 7789-00-6

Molecular mass: 194.2

Molecular formula: K_2CrO_4

WE Number: 232-140-5

EC-Index No.: 024-006-00-8

4. First aid measures

After eye contact: *rinse out with plenty of water with the eyelid held wide open. Call in ophtalmologist.*

After skin contact: *wash off with plenty of water. Take off contaminated clothing. Carefully clean wounds and cover with sterile dressing material.*

After swallowing: *make victim drink plenty of water. Induce vomiting. Immediately summon doctor. Keep airways free. Administer activated charcoal (20- 40g in 10% slurry).*

After inhalation: *fresh air. Summon doctor.*

5. Fire-fighting measures

Suitable extinguishing media: *water, foam*

Special risk: *noncombustible. Fire- promoting. Keep away from sources of fire. Development of hazardous gases or vapours possible in the event of fire.*

Special protective equipment for fire fighting:

Other information: *contain escaping vapours with spray water. Do not stay in dangerous zone without self- contained breathing apparatus. Prevent fire- fighting water from entering surface water or groundwater*

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. Avoid substance contact. Avoid generation of dusts, do not inhale dusts. Do not allow to enter sewerage system.

POTASSIUM CHROMATE

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. Accessible only for authorized persons. At +15 to +25 deg C.*

8. Exposure controls/personal protection

Specific control parameter: *max. workplace conc.: 0,1 mg/m³, peak limit: 0,3 mg/m³*

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. Under no circumstances eat or drink at workplace. Work under hood. Do not inhale substance.*

9. Physical and chemical properties

Form: *solid*

Colour: *yellow*

Odour: *odourless*

pH value: *8,6 - 9,8 (50 g/l H₂O in 20°C)*

Melting point: *~ 970°C*

Boiling point: *1000°C*

Autoignition temperature: *not applicable*

Flash point: *not applicable*

Explosion limit: *not applicable*

lower:

upper:

dynamic viscosity:

kinematical viscosity:

Vapour pressure: *not available*

Density: *not available*

Bulk density: *~ 1400 kg/m³*

Solubility:

in water: *637 g/l (20°C)*

in organic solvents: *insoluble in ethanol*

log P(w/o):

POTASSIUM CHROMATE

10. Stability and reactivity

Conditions to be avoided: *no further requirements*

Substances to be avoided: *organic combustibles substances, reducing agents, chlorates, phosphoride, sulfides, hydrazine and derivatives, powdered metals.*

Hazardous decomposition products: *no information available*

Other information: *no further informations*

11. Toxicological information

Toxicological information: *Quantitative data on this product are not available.*

Other information: *Animal experiments have shown the substance to be carcinogenic. Upon contact with the skin: Can cause burns.*

Penetration of the product causes injuries which are hard to cure. Can cause sensitization. Through contact with the eyes: burns. If swallowed: gastro-intestinal disorders, diarrhoea, vomiting. Due to absorption: hepatic problems, kidney problems. If inhaled: allergic reaction. Risk of pneumonia. Allergic reaction in nasal mucosae (perforation). Carcinogenic in animal testing. Risk of sensitization. May cause heritable genetic damage. Carcinogenic class 2 Mutagenic class 2

12. Ecological information

High toxicity for aquatic organisms. May cause long-term adverse effects in the aquatic environment. For chromium ions: Fish: toxicity from 52 mg/l ; LC50 29 mg/l; algae: toxicity from 5 mg/l , arthropods: Daphnia toxicity from 0,32 mg/l (as sodium chromate). 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: 6.1,II

UN Number: 3288

Name (acc. to UN): *solid, toxic, inorganic N.O.S.*

POTASSIUM CHROMATE

15. Regulatory information

Labelling according to EC Directives.

Symbol: T, N; Toxic. Dangerous for the Environment.

R-phrases: 49-46-36/37/38-43-50/53; May cause sensitization by skin contact. May cause heritable genetic damage. May cause cancer by inhalation. Irritating to eyes, respiratory system and skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases: 53-45-60-61; In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid exposure - obtain special instructions before use. Restricted to professional users. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions / Safety data sheets.

EC label.

16. Other information

Reason for alteration: general update.

Informations contained in this SDS while accurate to the best knowledge

