

# POCH Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH). Creation date / last update: 2002-10-15 / 2005-04-05

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

### **CADMIUM FLUOROBORATE SOLUTION 70%**

Catalogue Numbers: *pure-497140421;*

Use of the substance / preparation: *for synthesis*

POCH SA

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## 2. Hazard identification

*Causes burns. May cause cancer. Toxic by inhalation, in contact with skin and if swallowed.*

## 3. Composition/information on ingredients

CAS-No.: 14486-19-2

Molecular mass: 394.1

Molecular formula:  $Cd(BF_4)_2 \cdot 6H_2O$

WE Number: 238-490-5

## 4. First aid measures

After eye contact: *immediately rinse out with plenty of water for at least 15 minutes with the eyelid held wide open. Immediately call in ophtalmologist.*

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

After swallowing: *make victim drink plenty of water. Immediately summon doctor.*

After inhalation: *fresh air*

## 5. Fire-fighting measures

Suitable extinguishing media: *in adaption to materials stored in the immediate neighbourhood*

Special risk: *no information available*

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 with liquid- absorbent material. Forward for disposal. Clean up affected area.*

## CADMIUM FLUOROBORATE SOLUTION 70%

### 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. In plastic containers. Dry well-ventilated place. At +15 to +25 deg C. Protect from light.*

### 8. Exposure controls/personal protection

Specific control parameter: *max. workplace conc.: 0,01 mg/m<sup>3</sup> cadmium salts as Cd.*

*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 vapours/aerosols are generated - gas mask with specific absorber.*

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: *liquid*

Colour: *colourless*

Odour: *odourless*

pH value: *~ 3 - 4*

Melting point: *not available*

Boiling point: *not available*

Autoignition temperature: *not applicable*

Flash point: *not applicable*

Explosion limit: *not applicable*

lower:

upper:

dynamic viscosity:

kinematical viscosity:

Vapour pressure: *steam pressure*

Density: *~ 1,5 g/ml (20°C)*

Bulk density: *not applicable*

Solubility:

in water: *freely soluble*

in organic solvents: *not available*

log P(w/o):

## CADMIUM FLUOROBORATE SOLUTION 70%

### 10. Stability and reactivity

Conditions to be avoided: *no further requirements*

Substances to be avoided: *strong acids.*

Hazardous decomposition products:

Other information: *unsuitable working materials: glass*

### 11. Toxicological information

Toxicological information: *As cadmium compound the carcinogenic potential requires further clarification.*

Other information: *Animal experiments performed under conditions comparable with the workplace situation have shown, the substance to be carcinogenic. So far no data are available on impairment of reproductive performance.; After inhalation: irritations symptoms, coughing dyspnoea, damage of: pulmonary oedema; After skin contact: irritations; After swallowing: gastrointestinal symptoms, damage of: kidneys, bone marrow; After long-term exposure to the chemical: toxic effect on kidneys, respiratory tract and bones. After absorption of large quantities: changes in the blood picture, spasms. The product should be handled with the care usual when dealing with chemicals.*

### 12. Ecological information

*Quantitative data on the ecological effect of this product are not available. 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,III*

UN Number: *2570*

Name (acc. to UN): *cadmium compound*

### 15. Regulatory information

Labelling according to EC Directives.

Symbol: *T; Toxic.*

R-phrases: *34-45-23/24/25; Causes burns. May cause cancer. Toxic by inhalation, in contact with skin and if swallowed.*

S-phrases: *26-27-28-45-53-36/37/39; In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water. 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. Wear suitable protective clothing, gloves and eye/face protection.*

### 16. Other information

Reason for alteration: *general update.*

Information contained in this SDS while accurate to the best knowledge