

Safety data sheet according to EEC directives (91/155/EEC and updates)

Date/draft: 11/01/06
Supplier : Cromatos s.r.l.

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Emergency Tel. ++39-0543-796191

pH value at 5g/100ml: 7.5 – 8.5
Density at 20°C: 330 / 350 kg/m³
Specific gravity: 1.20 + o – 0.02
Decomposition point: > 172°C

1. Identification of the substance or preparation:

Trade Name : CROMALENT YELLOW S1

2. Composition and information on ingredients:

Chemical constitution : Monoazo chromium complex

3. Possible Hazards:

The product does not have particular dangers. Pay attention to good rules of industrial hygiene.

4. First Aid measures:

General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: Supply fresh air and call for doctor for safety reasons. In case of unconsciousness bring patient into stable side position for transport.

After skin contact: Instantly wash with water and soap and rinse thoroughly. If irritation develops, consult a physician.

After eye contact: Rinse opened eye for almost 15th minutes under running water. If symptoms persist, consult a physician.

After ingestion: If swallowed, dilute with water or milk; induce vomiting. Get immediate medical attention.

5. Fire fighting measures:

Extinguishing media: Use water fog, foam or dry chemical extinguishing media. Do not use CO₂.

Special firefighting procedure: Firefighting should be equipped with self-contained breathing apparatus and turnout gear.

Usual fire and explosion hazard: Adequate ventilation and cleanup must be maintained to minimize dust accumulation. May form explosive dust-air mixture.

6. Accidental release measures:

Personal precautions: Avoid contact with skin and eyes wearing protective clothing. Avoid inhalation of vapours or powders wearing protective masks

Environmental precautions: Limit leakages with earth or sand. If the product has escaped into the drainage system or it has contaminated the ground or vegetation, notify the competent authorities.

Methods for cleaning up: Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material. After the product has been recovered, rinse the area and materials involved with water.

7. Handling and storage:

Handling: Use protective clothing as gloves, coveralls apron, boots; necessary to prevent skin contact. Do not drink or eat or smoke while working.

Incompatible material: None in particular

Storage: Use local exhaust to control dusting.

8. Exposure controls and personal protection:

Respiratory protection: Approved dust respirator.

Hands protection: Gloves

Eye protection: Chemical goggles.

Body protection: Protective clothing.

Occupational exposure national limit: OEL = 10 mg m³ (total dust).

9. Physical and chemical properties:

Form: powder

Colour: yellow

Odour: none

Change in physical estate

Melting point: about 80 – 100°C

Boiling point: n.a.

Flash point: n.a.

Combustibility:

Explosion limits: lower upper

Ignition temp.: n.a.

Solubility in water : insoluble

Solubility in other solvents : MEK about 500 g/l; Ethyl cellosolve about 500 g/l

10. Stability and reactivity:

Conditions to avoid: stable under normal conditions

Substances to avoid: None in particular

Hazardous reactions: powder may form dusty clouds flammable in the air.

Hazardous decomposition products: None

11. Toxicological information:

Acute toxicity

LD50 / oral / rat: > 5000 mg/kg

Rabbit , primary skin irritation : Not irritant LD50/skin/rat = 2000 mg/kg OECD 404

Rabbit , primary eyes irritation: Not irritant OECD 405

Inhalation : powder may give slight irritation

Ingestion: get doctor consultation

12. Ecological information:

Fish toxicity:

LC50 : n.a. mg/l

Elimination information

Test method:

Method of analysis:

Degree of elimination:

Evaluation:

13. Disposal considerations:

Dispose of in licensed facility.

Recommend crushing or other means to prevent unauthorized reuse.

14. Transport information:

Not dangerous for transportation.

15. Labelling according to EEC Directives (Classification and labelling):

Hazard designation: none

Hazard phrases: none

S phrases: S22 Do not breath dust

The product should not be considered as dangerous according to dir. 67/548/EEC

Information pertaining to particular dangers for man and environment:

16. Other information:

The herein contained information is based on the present state of our knowledge and does not therefore guarantee certain properties. Addresses of our products must take responsibility for observing existing laws and regulations.