

Safety data sheet according to 2001/58/EC

1. Identification of the substance or preparation:

Trade name: LENACROM DARK BROWN IS-4R

Supplier: Cromatos s.r.l. Emergency Tel. ++39-0543-796191

2. Composition and information on ingredients:

Chemical constitution : Azo metal complex dyestuffs in organic solvent and water

Hazard Contents:

C. I. Acid brown 409 % (weight): 20-30 CAS: 127830-16-4 EINECS:

Hazard designation: Xi Hazard phrases: R36/37 R43

1-methoxy-2-propanol % (weight): 50-75 CAS: 107-98-2 EINECS: 203-539-1

Hazard designation: Hazard phrases: R10

3. Hazards Identification:

Flammable. The product is irritant to eyes and respiratory system. May cause sensitisation by skin contact. Pay attention to good rules of industrial hygiene.

4. First Aid measures:

After inhalation: Supply fresh air leave the contained area 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 and symptoms develop, call a physician and shows the safety sheet.

5. Fire fighting measures:

Extinguishing media: Use water fog, foam or dry chemical extinguishing media. Cool containing vessels with water jet in order to prevent pressure build up, autoignition or explosion

Protection of fire fighters: Wear suitable respiratory equipment

Usual fire and explosion hazard: Good local exhaust ventilation. Avoid long-term exposure, even to small quantities. Avoid strong oxidant or reducing reagents

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: The product is a dye and therefore it can be assumed to be not readily biodegradable. 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. Don't discharge in water ways or sewer system without proper treatment. Dispose of in licensed facility. Dispose by incineration and/or landfilling. Empty packaging: dispose it in licensed facility. Recommend placing orderly or other means to prevent unauthorised reuse. Companies which recover, dispose, store, transport or handle waste should comply with Dir. 91/156/EEC on waste or other local, national or community provisions. 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. Remove the spilled product with clean shovel to avoid dust production and place the material in clean and dry container. After the product has been recovered, rinse the area and materials involved with water. Don't discharge in water ways or sewer system without proper treatment. May form toxic or explosive fumes / steams .

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. Protective mask in presence of powder. Good personal hygiene procedures must be practised.

Storage: Use local exhaust to control dusting. Keep the product away from food and drink. Keep containers away from flammable substances. Properly labelled and sealed containers, placed in cool and well ventilated areas.

General precaution: Good local exhaust ventilation. Avoid long-term exposure, even to small quantities.

8. Exposure controls and personal protection:

Respiratory protection: Approved protective.

Hands protection: Use protective clothing. Do not drink or eat or smoke while working.

Eye protection: Chemical safety goggles or glasses.

Body protection: Appropriate protective clothing.

Other protective equipment: Showers and eye - washers in working area are recommended

General precaution: Good local exhaust ventilation. Avoid long-term exposure, even to small quantities.

Specific hygiene measures: Washing/ Showering facilities with a non-solvent based skin cleaner, hot water and soap must be provided and used. Overalls should be changed frequently and dry cleaned. Grossly contaminated clothing should be changed immediately and should not be taken home. The condition of gloves should be checked before use for signs of internal contamination.

Incompatible material: Adequate ventilation and cleanup must be maintained to minimize dust accumulation. May form toxic or explosive fumes / steams .

1-methoxy-2-propanol % (weight) : 50-75% TLV –TWA: 369 mg/m3

9. Physical and chemical properties:

Form: liquid

Colour: brown

Odour: typical

Change in physical estate

Boiling point: 120-203°C

Decomposition point: >200°C

Flash point: 32°C

Combustibility: n.d.

Solubility in water : completely soluble

pH value : 6-9

Solid content: 24±3 %

Specific Weight: n.d

10. Stability and reactivity:

Minimize dust accumulation. May form flammable and toxic fumes. Substances to avoid; avoid strong oxidant or reducing reagents

11. Toxicological information:

Acute toxicity

LD50 / oral / rat: n.d.

Rabbit , primary skin irritation: irritant

Rabbit , primary eyes irritation: irritant

May cause sensitisation by skin contact

12. Ecological information:

Environmental precautions: The product is a dye and therefore it can be assumed to be not readily biodegradable. 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. Don't discharge in water ways or sewer system without proper treatment. Dispose of in licensed facility. Dispose by incineration and/or landfilling. Empty packaging: dispose it in licensed facility. Recommend placing orderly or other means to prevent unauthorised reuse. Companies which recover, dispose, store, transport or handle waste should comply with Dir. 91/156/EEC on waste or other local, national or community provisions. 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.

13. Disposal considerations:

Dispose of in licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

14. Transport information:

RID/ADR- hazard classification: 3, F1 packing group: III n. ONU: 1263 n. Kemler: 30

IMO - hazard classification: 3 packing group: III

ICAO/IATA - hazard classification: 3

15. Regulatory information :

Hazard designation: Xi irritant

Hazard Contents: Acid brown 402
1-methoxy-2-propanol

Hazard phrases : R10 flammable
R36 /37 Irritating to eyes and respiratory system
R43 May cause sensitisation by skin contact

S phrases: S23 Do not breathe vapour / spray
S24/25 Avoid contact with eyes and skin
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37 Wear suitable gloves

16. Other information:

See section 2 (R phrases):

R10 flammable

R36 /37 Irritating to eyes, respiratory sistem.

R43 May cause sensitisation by skin contact

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.