



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 75029
Product Name : Ammonium dichromate

Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 7789-09-5
Molecular Formula : $H_8Cr_2N_2O_7$
EC-No. : 232-143-1
EC-Index –No : 024-143-1
Molar mass : 252.07

3. HAZARDS IDENTIFICATION

May cause cancer by inhalation. May cause heritable genetic damage. Explosive when dry. Contact with combustible material may cause fire. Also harmful in contact with skin. Also toxic if swallowed. Also very toxic by inhalation. Irritating to respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Restricted to professional users. Attention- Avoid exposure – obtain special instructions before use.



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4. FIRST AID MEASURES

After skin contact: wash off with plenty of water .Remove contaminated clothing. Dab with polyethylene glycol 400.

After eye contact: rinse out with plenty of water with eyelids held open. Summon doctor.

After swallowing: Make victim drink plenty of water. Induce vomiting. Immediately summon doctor. Keep airways free.

Carefully clean wounds and cover with sterile dressing material.

After inhalation: fresh air. If necessary , apply mouth to mouth resuscitation or mechanical ventilation.

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : water

Special risks : Avoid percussion and friction. Danger of dust explosion.

Fire promoting. Keep away from combustible materials.

Other information: Prevent fire fighting water from entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

person related precautionary measures.

Avoid inhalation of dusts.

Procedure for cleaning / absorption:

Keep moist. Take up carefully. Forward for disposal. Clean up affected area.

Keep moist up for disposal.



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7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Keep away from sources of ignition and heat.

Observe national regulations . Accessible only for authorised persons.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated .

Eye protection : required

Hand protection : required

Protective clothing should be selected for the working place depending on concentration and quantity of the hazardous substance handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier

Industrial hygiene : Change contaminated clothing . Wash hands after working with substance .Avoid generation of dusts. Under no circumstances eat or drink at work place.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid
Colour : orange
Odour : odourless
PH value(20⁰ C) : 3-4
Melting temperature : not available
Boiling temperature : not available
Ignition temperature : not available
Flash point : not available



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Explosion limits lower: not available
Upper : Not available
Relative vapour density: Not available
Density (20⁰ C) : ~2.15 g/cm³
Solubility in
water (20⁰C) : 360 g/l

10. STABILITY AND REACTIVITY

Conditions to be avoided : Avoid generation of dusts.

Substance to be avoided : oxidizing agent

Hazardous decomposition products : no information available.

Further information: explosive when dry.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Quantitative data on the toxicity of this product are not available.

Further toxicological information:

After eye contact: Burns.

After swallowing: severe pain in the gastro intestinal tract.

After skin contact : burns. Penetration of the substance into wounds

Causes poorly healing ulcers. In sensitive persons the substance easily causes sensitisation.

After inhalation: burns. Possible allergic reactions of the airways (risk of pneumonia) and damage to the nasal mucous membranes (under certain circumstances, risk of septum perforation).



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12. ECOLOGICAL INFORMATION

Ecotoxic effects:

The following applies to chromium ions in general: biological effects: fish toxic from 52 mg/l up; LC₅₀: 29 mg/l; algae: toxic from 5 mg/l; arthropods: Daphnia toxic from 0.32 mg/l up, calculated as sodium chromate.

Further ecologic data : Do not allow to enter waters, waste water or soil!

12. DISPOSAL METHOD

Product : There are no uniform EC regulations for The disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations . We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging : Disposal in compliance with official Regulations . Handle contaminated packaging as In the same way as the substance itself . If not officially specified differently , non – contaminated packaging may be treated like household waste or recycled

14. TRANSPORT INFORMATION

Transport over land ADR/RID and GGVS/GGVE :

GGVS/GGVE class : 5.1 Number and letter: 27 b

ADR/RID class : 5.1 Number and letter: 27 b

Name of material : AMMONIUM DICHROMATE

River transport AND/ADNR: Not examined

Sea transport IMDG :

IMDG class : 5.1 UN –No.: 1439 Packaging group: II

Ems : 5.1-06 MFAG: 155



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Correct technical name: AMMONIUM DICROMATE

Air transport

ICAO-TI and IATA-DGR:

ICAO/IATA class: 5.1 UN/ID-No.: 1439 Packaging group: II

Correct technical name: AMMONIUM DICROMATE

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T+ Very toxic
E Explosive
N Dangerous for the environment

R- Phrases : 49-46-1-8-21-25-26-37/38-41-43-50/53

May cause cancer by inhalation. May cause heritable genetic damage. Explosive when dry . Contact with combustible material may cause fire. Also harmful in contact with skin. Also toxic if swallowed and inhalation. Irritating to respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long term adverse effects in aquatic environment.

S-phrases : 53-45-60-61 Avoid exposure obtain special instructions before use. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice . In case of accident ,or if you feel unwell seek medical advice immediately. Avoid release to the environment.

Water pollution class : 3 (highly polluting substance)



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16. OTHER INFORMATION

Reason for alteration

General update.

The information contained herein is based on the present state of our knowledge.

It characterises the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.
