



SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Catalogue No : B 11425

Product Name : Barium chromate

Manufacture / Supplier Identification Company : **Nice Chemicals (P) Ltd.,**
PB No: 2217, Manimala Road, Edappally,
Kochi - 682 024, Kerala, India.

Contact for Information : **Tel:** 91-484-2800212, 2802755, 2802536, 2801583
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms :

CAS - No : 10294 - 40 - 3

Molar Mass :

Molecular Weight : 253.32 g/mol

Molecular Formula : BaCrO4

EC - INDEX No : 056-002-00-7

EC - No : 233-660-5

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 : Oxidizing solids (Category 2), H272
Acute toxicity, Inhalation (Category 4), H332
Acute toxicity, Oral (Category 4), H302

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC : O, Xn Oxidising, Harmful R 8, R20/22

For the full text of the R-phrases mentioned in this Section, see Section 16.

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Label Elements

Labelling according Regulation (EC) No 1272/2008

Pictogram : 

Signal word : Danger

Hazard statement(s)

H272 : May intensify fire; oxidiser.

H302 + H332 : Harmful if swallowed or if inhaled

Precautionary statement(s)

P220 : Harmful if swallowed or if inhaled

Supplemental Hazard : none

Other Hazards : none

4 FIRST AID MEASURES

General Advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

After Inhalation : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After skin contact : Wash off with soap and plenty of water. Consult a physician.

After eye contact : Flush eyes with water as a precaution.

After swallowing : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most Important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed : no data available

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5 FIRE - FIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : Barium oxide, Chromium oxides

Advice for firefighters : Wear self contained breathing apparatus for fire fighting if necessary

Further Information : Use water spray to cool unopened containers

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.
: Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
: For personal protection see section 8.

Environmental-protection : Do not let product enter drains

Methods and materials for containment and cleaning up : Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
: Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition
: - No smoking. Keep away from heat and sources of ignition.
: For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end users : No data available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter : Components with workplace control parameters

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Exposure Controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure : Do not let product enter drains.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : **Form** : Powder
Colour : No data available

Odour : No data available

Odour Threshold : No data available

pH : No data available

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Melting Point/Freezing point	: Melting point/range: 210 °C
Initial Boiling point and boiling range	: No data available
Flash Point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper/lower flammability or explosive limits	: No data available
Vapour Pressure	: No data available
Vapour Density	: No data available
Relative density	: 4,5 g/mL at 25 °C
Water solubility	: 0,34 g/l at 20 °C - insoluble
Partition coefficient: noctanol/water	: No data available
Autoignition temperature	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidizing properties	: The substance or mixture is classified as oxidizing with the category 2.
Other Safety information	: No data available

10 STABILITY AND REACTIVITY

Reactivity	: No data available
Chemical stability	: Stable under recommended storage conditions.
Conditions to be avoided	: No data available
Substance to be avoided	: No data available
Hazardous decomposition products	: Other decomposition products - no data available
Possibility of hazardous reactions	: No data available
Incompatible materials	: Reducing agents, Hydrazine, Mineral acids

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	: No data available
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Further toxicological Information

Carcinogenicity : IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable. Possible or confirmed human carcinogen by IARC.

Eye Irritation test (rabbit) : No data available

Respiratory or skin Sensitization : No data available

Germ cell mutagenicity : Hamster ovary Sister chromatid exchange

After Inhalation : No data available

After Skin contact : No data available

After swallowing : No data available

After swallowing of large amounts : No data available

Further data : No data available

Reproductive toxicity : No data available

Specific target organ toxicity-single exposure : No data available

Specific target organ toxicity-repeated exposure : No data available

Signs and symptoms of Exposure : No data available

Additional Information : RTECS: Not available
Dermatitis, Nausea, Vomiting, Dizziness, Convulsions, Muscle cramps/spasms., Irregular breathing., Pulmonary edema. Effects may be delayed., Exposure to chromate salts has been reported to produce skin and nasal ulcerations with continued exposure leading to perforation of the nasal septa.

12 ECOLOGICAL INFORMATION

Toxicity : No data available

Persistence and degradability : No data available

Bioaccumulative potential : No data available

Mobility in soil : No data available

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Results of PBT and vPvB assessment : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects : No data available

13 DISPOSAL METHOD

Waste treatment methods

Product : Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Dispose of as unused product.

14 TRANSPORT INFORMATION

UN number : ADR/RID: - 1479
IMDG: - 1479
IATA: - 1479

UN Proper shipping name : ADR/RID: OXIDIZING SOLID, N.O.S. (Barium chromate)

IMDG: OXIDIZING SOLID, N.O.S. (Barium chromate)

IATA: Oxidizing solid, n.o.s. (Barium chromate)

Transport hazard class(es) : ADR/RID: - 5.1
5.1
IMDG: -
IATA: - 5.1

Packaging group : ADR/RID: - II
IMDG: - II
IATA: - II

Environmental group : ADR/RID: - yes
IMDG: Marine pollutant: yes
IATA: -no

Special precaution for user : No data available

15 REGULATORY INFORMATION

This safety datasheet compiles with the requirements of Regulation (EC) No. 1907/2006

Catalogue No	: B 71205
Product Name	: Barium diphenylamine sulphonate

Safety, health and environmental regulations/legislation specific for the substance or mixture	: No data available
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Chemical safety assessment	: No data available
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16 OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	: Acute toxicity
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H272	: May intensify fire; oxidiser.
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H302	: Harmful if swallowed.
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H332	: Harmful if inhaled.
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Ox. Sol.	: Oxidizing solids
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Full text of R-phrases referred to under sections 2 and 3

O	: Oxidising
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Xn	: Harmful
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R 8	: Contact with combustible material may cause fire.
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R20/22	: Harmful by inhalation and if swallowed.
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The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.