



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : L 11929  
Product Name : **LEAD CHROMATE 98%**

### *Manufacturer / supplier identification*

Company : NICE CHEMICALS PVT.LTD. , Cochin , India  
Tel - 0484 2800212 , 2802755

Contact for Information : Tel . No. – 0484 2802536 Fax : 0484 2802483  
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 7758-97-6 EC –No. 231-846-0  
Molar mass : 323.18 g/mol Molecular formula :  $\text{PbCrO}_4$

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**3. HAZARDS IDENTIFICATION** : May cause harm to the unborn child. Danger of cumulative effects. Limited evidence of a carcinogenic effect. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Restricted to professional users. Attention – Avoid exposure- obtain special instructions before use.

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## 4. FIRST AID MEASURES

After inhalation : Fresh air.

After skin contact : wash off with plenty of water. Remove contaminated clothing.

After eye contact : Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.

After swallowing : Make victim drink plenty of water, induce vomiting. Immediately summon doctor.

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## 5. FIRE – FIGHTING MEASURES

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



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Special risks : Non-combustible. Fire-promoting. Keep away from combustible materials.  
Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment for fire fighting : Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

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

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## 6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Take up dry. Forward for disposal. Clean up affected area.

Avoid generation of dusts.

Person-related precautionary measures : Avoid substance contact. Avoid generation of dusts; do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

Environmental-protection measures : Do not allow to enter sewerage system.

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## 7. HANDLING AND STORAGE

Handling : Notes for safe handling : Work under hood. Do not inhale substance.

Storage : Tightly closed. Dry. In a well-ventilated place. Accessible only for authorised persons. Storage temperature : No restrictions.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Specific control parameter :

EC Name : Lead chromate

Carcinogenic : C3 : owing possible carcinogenic effects for man

Fertility : R(F) 3 : cause concern for humans owing possible developmental toxic effects.

Embryotoxic : R(E) 1 : known to cause developmental toxicity in humans



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*Personal protective equipment :*

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

Respiratory protection : required when dusts are generated.

Eye protection : required

Hand protection : required

Industrial hygiene : Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands and face after working with substance. Under no circumstances eat or drink at work place. Work under hood. Do not inhale substance.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	Orange
Odour	:	odourless
PH value at 50 g/l H <sub>2</sub> O (20 <sup>0</sup> C):	:	Not available
Melting temperature	:	844 °C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash point	:	Not available
Explosion limits	Lower :	Not available
	Upper :	Not available
Density (20 <sup>0</sup> C)	:	6.3 g/ cm <sup>3</sup>
Bulk density	:	~ 2600 kg/m <sup>3</sup>
Solubility in water(20 <sup>0</sup> C)	:	almost soluble
Thermal decomposition	:	above melting point
Particle size	:	0.8 – 2.0 mm

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## 10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.  
Substance to be avoided : Organic combustible substances, non-metals, cyanide, complexes, sulphur.  
Hazardous decomposition products : No information available.

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity : Quantitative data on the toxicity of this product are not available.  
Subacute to chronic toxicity : The carcinogenic potential requires further clarification.  
Animal experiments suggest that the substance may lead to an impairment of reproductive performance also in man. Pregnant women should not be exposed to the product.

Further toxicological information : The following applies to lead compounds in general: Due to the poor absorbability via the gastrointestinal tract, only very high doses lead to acute cases of intoxication. After a latency period of several hours, metallic taste, nausea, vomiting and colics occur, in many instances followed by shock. Chronic uptake causes peripheral muscular weakness, anemia and central nervous disorders. Women of child – bearing age should not be exposed to the substance over longer periods of time. After long term exposure to the chemical : changes in the blood picture. Danger of cumulative effects. Irreversible damage possible.

Further data : The product should be handled with particular care.

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## 12. ECOLOGICAL INFORMATION

Ecotoxic effects : Quantitative data on the ecological effect of this product are not available.

Biological effects : Highly toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.



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Further ecological data : The following applies to lead compounds in general :  
biological effects : toxic for aquatic organisms : fish : lethal from 1.4 mg/l up;  
S.gairdnerii : LC50 : 0.14 mg/l/96h; L.idus LC50 : 546 mg/l ; fish test LC50 : 236 mg/l;  
bacteria; Ps.putida toxic from 1.8 mg/l up; algae : Sc.quadricauda toxic from 3.7 mg/l  
up; M.aeruginosa 0.45 mg/l; protozoa : E.sulcatum toxic from 0.02 mg/l up;  
U.parduczi toxic from 0.07 mg/l up; arthropods : D .magna LC50 : 2.5 mg/l ; hazard for  
drinking water. Do not allow to enter waters, waste water or soil!

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## 13. 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 that you corresponding laws and regulations. We recommend 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 in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

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## 14. TRANSPORT INFORMATION

Land transport : GGVS, GGVE, ADR,RID  
Classification : 6.1/62c  
Name : 2291 LEAD COMPOUND



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Transport by river : ADN, ADNR  
Classification : Not tested

Transport by sea : IMDG, GGVsee  
Classification : 6.1 /UN 2291/ PG III  
Ems : 6.1- 0  
MFAG : 110 4.3  
Name : LEAD COMPOUND SOLUBLE, N.O.S.  
Marine pollution : P

Transport by air : ICAO, IATA  
Classification : 6.1 /UN 2291 / PG III  
Name : LEAD COMPOUND SOLUBLE, N.O.S

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## 15. REGULATORY INFORMATION

### *Labelling according to EC Directives*

Symbol : T Toxic

N Dangerous for the environment.

R-phrases : 61-33-40-50/53-62 May cause harm to the unborn child. Danger of cumulative effects. Limited evidence of a carcinogenic effect. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility.

S-phrases : 53-45-60-61 Avoid exposure – obtain special instructions before use. In case of accident or if you feel unwell. Seek medical advice immediately (show the label where possible). This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets.



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EC No. : 231-846-0      EC label.

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### 16. OTHER INFORMATION

change/addition in the chapter 8. specific control parameter.  
General update.

*The information contained here in is based on the present state of our knowledge.  
It characterizes the product with regard to the appropriate safety precautions.  
It does not represent a guarantee of the properties of the product.*

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