



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : L 31217
Product Name : LEAD FOIL

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 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 7439-92-1 EC-Index-No.: ----- EC –No. 231-100-4
M : 207.20 g/mol Formula Hill : Pb

3. **HAZARDS IDENTIFICATION** : May cause harm to the unborn child. Also harmful by inhalation and if

swallowed. Danger of cumulative effects. 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.

4. **FIRST AID MEASURES** : After skin contact: wash off with plenty of water. Remove contaminated clothing.

After eye contact (particles,dusts) : Rinse out with plenty of water with the eyelid held wide open. Call in opthalmologist if necessary.

After inhalation(particles,dusts): fresh air. Call in physician.

After swallowing : make victim drink plenty of water,induce vomiting.

Immediately call in physician. Laxative: Sodium sulfate(table spoon/1/4 water). Activated charcoal(20-40 g in 10% slurry).No milk. No alcohol.

5. **FIRE – FIGHTING MEASURES:** Suitable extinguishing media : Metal fire powder.



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Special risks : Non-combustible. Ambient fire may liberate hazardous vapours.

Special protective equipments for fire fighting: Do not stay in dangerous zone without self-contained breathing apparatus.

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

- 6. ACCIDENTAL RELEASE MEASURES:** Person -related precautionary measures: Avoid substance contact.
Avoid generation of dusts; Do not inhale dusts.
Environmental –protection measures:
Do not allow to enter sewerage system .
Procedures for cleaning/absorption: Take up dry.Forward for disposal.
Clean up effected area.. Avoid generation of dusts.
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- 7. HANDLING AND STORAGE:** Handling : No further requirements.
Storage : Tightly closed . Dry. In a well-ventilated place.
Storage temperature : no restrictions. Accessible only for authorized persons.
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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 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.



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Industrial hygiene : Change contaminated clothing.
Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Foil
Colour	:	Silver grey
Odour	:	Odourless
pH value	:	Not available
Melting temperature	:	327 ° C
Boiling temperature	:	1740 ° C
Ignition temperature	:	Not available
Flash point	:	Not available
Explosion limits lower	:	Not available
Upper	:	Not available
Density (20°C)	:	11.3 g/cm ³
Solubility in water(20°C)	:	Insoluble

10. STABILITY AND REACTIVITY : Conditions to be avoided : No information available.
Substance to be avoided : Azides, fluorine, nitric acid, picrates.
Hazardous decomposition products : No information available

11. TOXICOLOGICAL INFORMATION: Acute toxicity:

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

Subacute to chronic toxicity: Based on clear evidence from animal experiments there is a high risk of teratogenic effects. Pregnant women must not be exposed to the product. Animal experiments suggest that the substance may lead to an impairment of reproductive performance also in man.



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Further toxicological information:

On the basis of the morphology of the product, no hazardous properties are to be expected when it is handled and used with appropriate care.

Other notes: 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 instance followed by shock. Chronic uptake causes peripheral muscular weakness (“drop-wrist) ,anaemia, and central –nervous disorders. Women of child –bearing age should not be exposed to the substance over longer periods of time (observe critical threshold).

Further data: Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

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.

Further ecologic data: The following applies to lead compounds in general :
biological effects: toxic for aquatic organisms(calc. As free lead): 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 3.7mg/l up; M.aeruginosa 0.45mg/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 : Chemicals must be disposed of in compliance with the respective national regulations. Under [www. retrologistik. de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

Nice product packaging must be disposed of in compliance with the country- specific regulations or must be passed to a packaging return system. Under [www. retrologistik.de](http://www.retrologistik.de) you will find special information on the respective national conditions as well as contact partners.

14. TRANSPORT INFORMATION

Transport over land

ADR/RID & GGVS/GGVE : GGVS/GGVE class : 9 Number and letter : 12 c
ADR/RID class : 9 Number and letter : 12 c
Name of material : LEAD FOIL

Sea transport IMDG

IMDG class : 9 UN-No.: 3077 Packaging group: 111
EMS : --- MFAG : ----

Correct technical name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.(LEAD)

Air transport ICAO-TI and IATA-DGR

ICAO/IATA class: 9 UN/ID-No.: 3077 Packaging group : 111

Correct technical name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE ,
SOLID ,N.O.S. (LEAD)

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T Toxic
N Dangerous for the environment



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R-phrases : 61-20/22-33-50/53-62 May cause harm to the unborn child. Also harmful by inhalation and if swallowed. Danger of cumulative effects. 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.

Water pollution class : ----

16. OTHER INFORMATION

Reason for alteration

Chapter 11 : toxicological information.

Chapter 14 : transport information.

General update.

Regional representation :

The information is given on the authorised Safety Data Sheet for your country.

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.
