

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the Product

Product Name: Lead Tin Yellow, light, Retouching Color
Article No.: 101009
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstrasse 41-47, D 88317 Aichstetten
Tel/Fax: Tel +49 7565 91120, Fax +49 7565 1606
Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. Hazard Identification

Hazard designation:



T, Repr. C. 1 + 3 Very toxic



N Hazardous to the environment

Risk Phrases:

R22 Harmful if swallowed.
R62 Possible risk of impaired fertility.
R20 Harmful by inhalation.
R66 Repeated exposure may cause skin dryness or cracking.
R65 Harmful: May cause lung damage if swallowed.
R61 May cause harm to the unborn child.
R50 Very toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.
R33 Danger of cumulative effects.

3. Composition/Information on Ingredients

Chemical Characterization: Lead stannate, $PbSn_xO_y$
Hazardous Ingredients: Solvent naphtha (petroleum), light aromatic (N, Xn; R10,37,51/53, 65,66,67) < 10 %
CAS-Nr: 64742-95-6 EINECS-Nr: 265-199-0 EC-Nr: 649-356-00-4
Pyrochlore, antimony lead yellow 60 %
CAS-Nr: 8012-00-8 EINECS-Nr: 232-382-1 EC-Nr: 082-001-00-6

4. First Aid Measures

After inhalation: Take affected person to fresh air and keep calm.
Get medical help.
After skin contact: Wash off immediately with plenty of soap and water and rinse thoroughly.
After eye contact: Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.
After ingestion: Immediately get medical help.

After ingestion: Show product label to person applying first aid.
Information for physician: Blood and urine tests can determine the amount of lead.

5. Fire-Fighting Measures

Suitable extinguishing media: Foam, carbon dioxide (CO₂), extinguishing powder, water jet.
Protective equipment: Use self-containing breathing apparatus.
Further information: Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidental Release Measures

Personal precautions: Wear appropriate protective equipment. Keep spectators away.
Environmental precautions: Prevent contamination of soil, drains and surface waters.
Methods of cleaning/absorption: Contaminated material must be disposed of according to section 13.

7. Handling and Storage

Handling

Instructions on safe handling: Wear adequate protective clothing (see para. 8).

Storage

Storage conditions: Store in tightly sealed containers in a dry room.
Do not store together with food stuff and animal feed.

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: Provide adequate ventilation.
Components with workplace control parameters (Germany): Lead and its compounds (referring to the lead content) is 0.1 mg/m³ air (total dust value).
Additional information: The biological workplace tolerance (BAT) is 300 µg/l for women up to 45 yrs. and 700 µg/l for others.

Personal protective equipment

General protective measures: Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of the shift.
Respiratory protection: Wear protective mask, particle filter P2 (for solid and liquid particles DIN 3181) if dust occurs.
Hand protection: Protective gloves (EN 374)
Eye protection: Safety glasses
Body protection: Protective clothing.

9. Physical and Chemical Properties

Form: highly viscous liquid
Color: pale yellow
Odor: aromatic
Solubility in water: insoluble

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided:

No information available.

11. Toxicological Information

Acute toxicity

LD50, oral:

Bas. Lead carbonate: >10000 mg/kg (rat) (Lit.)

LD50, dermal:

Lead(II)oxide: 220 mg/kg (guinea pig)

Further toxicological effects:

Lead compounds are heavy soluble lead compounds, however, lead particles solve in hydrochloric acid in gastric fluids concentration and may accumulate in the body.

Prolonged over-exposure to lead compounds may interfere with the biosynthesis of haemoglobin and may cause irreversible disorders of the nervous system.

12. Ecological Information

Elimination (Persistency and Degradability):

Lead may be dissolved in acid or alkaline media (amphothery). Elimination from water must be done by chemical flocculation.

Environmental Behaviour:

The product contains lead. Any exposure to the environment must be eliminated. Special treatment is necessary before disposing of the product or its by-products or contaminated water.

Further information

Water hazard class:

2

13. Disposal Considerations

Product:

In accordance with current regulations, product has to be taken to a special waste disposal site, after consultation with site operator and/or with the responsible authority. Product may not be burned.

Uncleaned packaging:

Dispose according to product.
Clean packaging material can be recycled.

14. Transport Information

Road Transportation ADR/RID

Class:

6.1

Packaging group:

III

UN No.:

2291

Classification code:

T5

Tunnel No.:

E

Hazard No.:

6.1

Correct technical name:

LEAD COMPOUND, SOLUBLE, N.O.S. (Lead Stannate)

Sea transportation

IMDG/GGVSee Class:

6.1

Packaging group:

III

UN No.:

2291

EmS No.:

F-A S-A

Revised edition: 18.02.2008

Hazard No.: 6.1
Marine pollutant: P
Correct technical name: LEAD COMPOUND, SOLUBLE, N.O.S. (Lead Stannate)

Air transportation
ICAO/IATA Class: 6.1
Packaging group: III
UN No.: 2291
Hazard No.: 6.1
Correct technical name: LEAD COMPOUND, SOLUBLE, N.O.S. (Lead Stannate)

15. Regulatory Information

Hazard designation:



N Hazardous to the environment



T, Repr. C. 1 + 3 Very toxic

Risk Phrases:

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R50 Very toxic to aquatic organisms.
R22 Harmful if swallowed.
R33 Danger of cumulative effects.

Safety Phrases:

S24 Avoid contact with skin.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S45 If swallowed, seek medical advice immediately and show this container or label.
S61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

Employment restrictions:

Concerning pregnancy: group B (TRGS 505, TRGS 900, Germany)

Water hazard class:

2, hazardous for water

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.

This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.