



Trade name: Plumbi orthoplumbicum

Substance number: 067352

Version: 2 / CH

Date revised: 07.02.12

Replaces Version: 1 / CH

Date of printing: 16.08.12

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Plumbi orthoplumbicum

Item-No. 06735200

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/preparation

Reagent for analyses

### 1.3. Details of the supplier of the safety data sheet

#### Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible  
for this SDS

### 1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

## 2. Hazards identification \*\*\*

### 2.1. Classification of the substance or mixture

#### Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Ox. Sol. 2	H272
Acute Tox. 4	H302
Acute Tox. 4	H332
Repr. 1A	H360Df
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

#### Classification in accordance with EC directives

Classification	O
	T
	N
	R8-R20/22-R33-R50/53-R61-R60

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms \*\*\*



#### Signal Word \*\*\*

Danger

#### Hazard statements \*\*\*



Trade name: Plumbi orthoplumbicum

Substance number: 067352

Version: 2 / CH

Date revised: 07.02.12

Replaces Version: 1 / CH

Date of printing: 16.08.12

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure:
H410	Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

P201	Obtain special instructions before use.
P220	Keep/Store away from clothing/.../combustible materials.
P273	Avoid release to the environment.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P501.1	Dispose of contents/container to be taken to an authorised special waste incineration plant.

**Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC**

The product is classified and labelled in accordance with EC directives/the relevant national laws.

**Hazard symbols**

Oxidizing



Toxic



Dangerous for the environment

**R phrases**

8	Contact with combustible material may cause fire.
20/22	Harmful by inhalation and if swallowed.
33	Danger of cumulative effects.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
61	May cause harm to the unborn child.
62	Possible risk of impaired fertility.

**S phrases**

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

**Hazardous component(s) to be indicated on label**

contains \*\*\* orange lead

**Special labelling for certain preparations \*\*\***

"Restricted to professional users"

**3. Composition/information on ingredients \*\*\*****Substance / product identification**

CAS-Nr.	1314-14-6
EINECS-Nr.	215-235-6

**Molecular weight**

Value	685.6	g/mol
-------	-------	-------

**Hazardous ingredients \*\*\***



Trade name: Plumbi orthoplumbicum

Substance number: 067352

Version: 2 / CH

Date revised: 07.02.12

Replaces Version: 1 / CH

Date of printing: 16.08.12

**orange lead**

CAS No.	1314-41-6			
EINECS no.	215-235-6			
Concentration		>=	50	%
Classification	O			
	T			
	N			

Classification (Regulation (EC) No. 1272/2008)

Ox. Sol. 2	H272
Acute Tox. 4	H302
Acute Tox. 4	H332
Repr. 1A	H360Df
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

**4. First aid measures****4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible).

**After inhalation**

Remove the casualty into fresh air and keep him calm. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.

**After skin contact**

Wash off with soap and water. Seek medical advice immediately.

**After eye contact**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Summon a doctor immediately. Never give anything by mouth to an unconscious person.

**4.2. Most important symptoms and effects, both acute and delayed**

Muscle cramps or pains, Headache, Dizziness, Diarrhoea, Nausea, Vomiting, Weakness, CNS depression, coma, Death, Absence of appetite, Convulsions, Vomiting

**5. Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry chemical extinguisher, Alcohol-resistant foam, Water mist

**5.2. Special hazards arising from the substance or mixture**

Lead oxide

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

**Other information**



Trade name: Plumbi orthoplumbicum

Substance number: 067352

Version: 2 / CH

Date revised: 07.02.12

Replaces Version: 1 / CH

Date of printing: 16.08.12

Cool endangered containers with water spray jet.

## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Remove persons to safety. Wear protective equipment. Avoid dust formation. Do not inhale vapours. Ensure adequate ventilation. Do not inhale dust.

### **6.2. Environmental precautions**

Do not allow to enter drains.

### **6.3. Methods and material for containment and cleaning up**

Dampen, pick up mechanically and dispose of. When picked up, treat material as prescribed under heading "Disposal".

### **6.4. Reference to other sections**

Information regarding Waste Disposal, see chapter 13.

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid contact with skin and eyes. Avoid formation of aerosols. Avoid dust formation. Keep away from heat and sources of ignition.

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition - refrain from smoking.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Keep in a cool place.

#### **Further information on storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

## **8. Exposure controls/personal protection**

### **8.2. Exposure controls**

#### **General protective and hygiene measures**

Observe the usual precautions when handling chemicals. Wash hands and face before breaks and after work.

#### **Respiratory protection**

Full mask with combination filter A2/P3; Self-contained breathing apparatus.

#### **Hand protection**

Protective gloves

Appropriate Material

Gloves / resistant to chemicals

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

#### **Eye protection**

Safety glasses with side protection shield

#### **Body protection**

Clothing as usual in the chemical industry.



Trade name: Plumbi orthoplumbicum

Substance number: 067352

Version: 2 / CH

Replaces Version: 1 / CH

Date revised: 07.02.12

Date of printing: 16.08.12

## **9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Form</b>	Powder
<b>pH</b>	
Remarks	Not applicable
<b>Melting point</b>	
Remarks	Not applicable
<b>Boiling point</b>	
Remarks	Not applicable
<b>Flash point</b>	
Remarks	Not applicable
<b>Flammability</b>	
Not applicable	
<b>Explosion limits</b>	
Remarks	Not applicable
<b>Vapour pressure</b>	
Remarks	No data available
<b>Density</b>	
Remarks	Not applicable
<b>Solubility in other solvents</b>	
Remarks	Not applicable
<b>Octanol/water partition coefficient (log Pow)</b>	
Remarks	Not applicable
<b>Ignition temperature</b>	
Remarks	Not applicable
<b>Oxidising properties</b>	
Remarks	Not applicable
<b>9.2. Other information</b>	
<b>Bulk density</b>	
Remarks	Not applicable
<b>Solvent content</b>	
Remarks	Not applicable
<b>Saturation Concentration</b>	
Remarks	Not applicable

## **10. Stability and reactivity**

### **10.5. Incompatible materials**

strong reducing agents

### **10.6. Hazardous decomposition products**

No data available.

## **11. Toxicological information**



Trade name: Plumbi orthoplumbicum

Substance number: 067352

Version: 2 / CH

Date revised: 07.02.12

Replaces Version: 1 / CH

Date of printing: 16.08.12

## 11.1. Information on toxicological effects

### Acute oral toxicity

Species	rat		
LD50		630	mg/kg
Remarks	intraperitoneal		

### Skin corrosion/irritation

Remarks No data available.

### Serious eye damage/irritation

Remarks No data available.

### Mutagenicity

Remarks No data available.

### Reproduction toxicity

Species	Human
Remarks	May cause adverse reproductive effects.

### Carcinogenicity

Species	Human
Remarks	Suspicion about carcinogenic effect.
Source	IARC

### Experience in practice

Risk of harm to the unborn child. Danger of acute health hazards by longer exposure. Inhalations of vapours in higher concentration may lead to irritation of eyes, nose and respiratory tract. After Swallowing: May be harmful by inhalation, ingestion, skin adsorption.

## 12. Ecological information

### 12.1. Toxicity

#### Fish toxicity

Remarks No data available.

### 12.2. Persistence and degradability

#### Biodegradability

Remarks No data available.

### 12.3. Bioaccumulative potential

#### Octanol/water partition coefficient (log Pow)

Remarks Not applicable

### 12.6. Other adverse effects

#### General information / ecology

Very toxic for aquatic organisms.

## 13. Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Disposal in compliance with local and national regulations.  
Incineration in suitable incineration plant, observing local authority regulations.

#### Disposal recommendations for packaging

Dispose of as unused product.



Trade name: Plumbi orthoplumbicum

Substance number: 067352

Version: 2 / CH

Date revised: 07.02.12

Replaces Version: 1 / CH

Date of printing: 16.08.12

## 14. Transport information

### Land transport ADR/RID

**14.1. UN number**

UN 1479

**14.2. UN proper shipping name**

OXIDIZING SOLID, N.O.S

**14.3. Transport hazard class(es)**

Class 5.1

Label 5.1

**14.4. Packing group**

Packing group II

### Marine transport IMDG/GGVSee

**14.1. UN number**

UN 1479

**14.2. UN proper shipping name**

OXIDIZING SOLID, N.O.S

**14.3. Transport hazard class(es)**

Class 5.1

**14.4. Packing group**

Packing group II

**14.5. Environmental hazards**

no

### Air transport ICAO/IATA

**14.1. UN number**

UN 1479

**14.2. UN proper shipping name**

OXIDIZING SOLID, N.O.S

**14.3. Transport hazard class(es)**

Class 5.1

**14.4. Packing group**

Packing group II

## 15. Regulatory information

## 16. Other information

**Hazard statements listed in chapter 3**

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure:
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.