

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 11-Nov-2016

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Revision Number 1  
ENG

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code(s)** LK1-CB102010-250  
**Product Name** USP 9 mg/L in 20% HCl, 20 Hg 133 Sb 400 Sn 66.7 Ir, Os, Pd, Pt, Rh, Ru, Au  
**REACH registration number** Not applicable  
**CAS No.** Not applicable

Contains Hydrochloric acid

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

**Recommended Use** Laboratory chemicals  
Production of chemical substance

**Uses advised against** Not for human consumption

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

#### Manufacturer

LabKings B.V  
 Utrechtseweg 5, 1213TK Hilversum, The Netherlands  
 +31 84 875 63 44  
 www.labkings.com

### 1.4. Emergency telephone number

**Emergency Telephone** Chemtrec, Inside the USA: 1-800-424-9300  
 Chemtrec, Outside the USA: 001-703-527-3887

Europe	112
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## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

<b>Acute toxicity - Oral</b>	Category 4 - (H302)
<b>Acute toxicity - Inhalation (Gases)</b>	Category 4 - (H332)
<b>Acute toxicity - Inhalation (Dusts/Mists)</b>	Category 4 - (H332)
<b>Skin corrosion/irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 1 - (H318)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H335)
<b>Corrosive to metals</b>	Category 1 - (H290)

### 2.2. Label elements

Regulation (EC) No 1272/2008  
 Contains Hydrochloric acid



**Signal word**  
 Danger

**Hazard statements**

- H302 - Harmful if swallowed
- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H332 - Harmful if inhaled
- H335 - May cause respiratory irritation
- H290 - May be corrosive to metals

**Precautionary Statements - EU (§28, 1272/2008)**

- P321 - Specific treatment (see supplemental first aid instructions on this label)
- P280 - Wear eye protection/ face protection
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a POISON CENTER or doctor
- P234 - Keep only in original container
- P406 - Store in corrosive resistant container with a resistant inner liner

**2.3. Other hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

The exact concentration of each component can be found on the Certificate of Analysis

Chemical name	CAS No.	Weight-%
Water	7732-18-5	79.89801
Hydrochloric acid	7647-01-0	20
Tin Metal	7440-31-5	0.04
Antimony Metal	7440-36-0	0.0133
Platinum Metal	7440-06-4	0.00667
Palladium Metal	7440-05-3	0.00667
Gold Metal	7440-58-5	0.00667
Ammonium Hexachloro Iridate	15752-05-3	0.00667
Ammonium Hexochlororuthenate	18746-63-9	0.00667
Ammonium hexachlororhodinate	15336-18-2	0.00667
Ammonium hexachloroOsmiate	12125-08-5	0.00667
Mercury Metal	7439-97-6	0.002

**3.2 Mixtures**

Chemical name	CAS No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	7732-18-5	No data available
Hydrochloric acid	7647-01-0	Acute Tox. 3 (H331) Skin Corr. 1A (H314) Press. Gas

Tin Metal	7440-31-5	No data available
Antimony Metal	7440-36-0	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Aquatic Chronic 2 (H411)
Platinum Metal	7440-06-4	No data available
Palladium Metal	7440-05-3	No data available
Gold Metal	7440-58-5	No data available
Ammonium Hexachloro Iridate	15752-05-3	No data available
Ammonium Hexoclororuthenate	18746-63-9	No data available
Ammonium hexachlororhodinate	15336-18-2	No data available
Ammonium hexachloroOsmiate	12125-08-5	No data available
Mercury Metal	7439-97-6	Acute Tox. 2 (H330) Repr. 1B (H360D) STOT RE 1 (H372) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	Immediate medical attention may be required. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Get immediate medical advice/attention.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Rinse mouth thoroughly with water. Get immediate medical advice/attention.

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

<b>Symptoms</b>	Skin irritation. Burning. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation. Eye irritation. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	No information available.

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

<b>Specific hazards arising from the chemical</b>	Thermal decomposition can lead to release of irritating gases and vapors. The product causes burns of eyes, skin and mucous membranes.
<b>Hazardous combustion products</b>	Hydrogen chloride. Chlorine gas.

### 5.3. Advice for firefighters

<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

<b>Personal precautions</b>	Ensure adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Wear protective gloves/protective clothing and eye/face protection. Handle within a fume cupboard or implement suitable equivalent methods to minimize exposure.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Place in appropriate chemical waste container.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

<b>Reference to other sections</b>	See section 8 for more information. See section 13 for more information.
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## **Section 7: HANDLING AND STORAGE**

### 7.1. Precautions for safe handling

<b>Advice on safe handling</b>	Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation. Use personal protection equipment. Handle in a fume cupboard. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

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

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. For more information, see product label and/or certificate of analysis.
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### 7.3. Specific end use(s)

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure Limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Hydrochloric acid 7647-01-0	TWA 5 ppm TWA 8 mg/m <sup>3</sup> STEL 10 ppm STEL 15 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 2 mg/m <sup>3</sup> STEL: 5 ppm STEL: 8 mg/m <sup>3</sup>	STEL: 5 ppm STEL: 7.6 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 7.6 mg/m <sup>3</sup> STEL: 10 ppm STEL: 15 mg/m <sup>3</sup>	TWA: 2 ppm TWA: 3 mg/m <sup>3</sup>
Tin Metal 7440-31-5	TWA 2 mg/m <sup>3</sup> as Sn;existing scientific data on health effects appear to be particularly limited	TWA: 2 mg/m <sup>3</sup>	-	TWA: 2 mg/m <sup>3</sup>	-
Antimony Metal 7440-36-0	-	TWA: 0.5 mg/m <sup>3</sup> STEL: 1.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	-
Platinum Metal 7440-06-4	TWA 1 mg/m <sup>3</sup> metallic;existing scientific data on health effects appear to be particularly limited	TWA: 5 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>
Ammonium hexachlororhodate 15336-18-2	-	TWA: 0.001 mg/m <sup>3</sup>	-	TWA: 0.01 mg/m <sup>3</sup>	-
Mercury Metal 7439-97-6	TWA: 0.02 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> *	TWA: 0.02 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup> H*
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Hydrochloric acid 7647-01-0	TWA: 5 ppm TWA: 8 mg/m <sup>3</sup> STEL: 10 ppm STEL: 15 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 8 mg/m <sup>3</sup> STEL: 10 ppm STEL: 15 mg/m <sup>3</sup> Ceiling: 2 ppm	TWA: 8 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>	STEL: 5 ppm STEL: 7.6 mg/m <sup>3</sup>	Ceiling: 5 ppm Ceiling: 8 mg/m <sup>3</sup>
Tin Metal 7440-31-5	-	TWA: 2 mg/m <sup>3</sup>	-	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
Antimony Metal 7440-36-0	-	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
Platinum Metal 7440-06-4	-	TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>
Palladium Metal 7440-05-3	-	-	-	TWA: 0.5 mg/m <sup>3</sup>	-
Ammonium hexachlororhodate 15336-18-2	-	TWA: 0.01 mg/m <sup>3</sup>	-	TWA: 0.001 mg/m <sup>3</sup>	TWA: 0.001 mg/m <sup>3</sup>
Mercury Metal 7439-97-6	TWA: 0.02 mg/m <sup>3</sup> pelle*	TWA: 0.02 mg/m <sup>3</sup> TWA: 0.025 mg/m <sup>3</sup> P*	TWA: 0.02 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup> iho*	TWA: 0.02 mg/m <sup>3</sup> H*
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Hydrochloric acid 7647-01-0	TWA: 5 ppm TWA: 8 mg/m <sup>3</sup> STEL 10 ppm STEL 15 mg/m <sup>3</sup>	TWA: 2 ppm TWA: 3.0 mg/m <sup>3</sup> STEL: 4 ppm STEL: 6 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 8 mg/m <sup>3</sup> STEL: 10 ppm STEL: 15 mg/m <sup>3</sup>

Tin Metal 7440-31-5	TWA: 2 mg/m <sup>3</sup> STEL 4 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup> H*	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>
Antimony Metal 7440-36-0	TWA: 0.5 mg/m <sup>3</sup> STEL 5 mg/m <sup>3</sup> STEL 1.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup> STEL: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup> STEL: 1.5 mg/m <sup>3</sup>
Platinum Metal 7440-06-4	TWA: 1 mg/m <sup>3</sup> TWA: 0.002 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> TWA: 0.002 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	-	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>
Ammonium hexachlororhodate 15336-18-2	-	TWA: 0.001 mg/m <sup>3</sup>	-	TWA: 0.001 mg/m <sup>3</sup> STEL: 0.003 mg/m <sup>3</sup>	TWA: 0.001 mg/m <sup>3</sup> STEL: 0.003 mg/m <sup>3</sup>
Mercury Metal 7439-97-6	TWA: 0.02 mg/m <sup>3</sup> STEL 0.08 mg/m <sup>3</sup> H*	TWA: 0.005 ppm TWA: 0.05 mg/m <sup>3</sup> TWA: 0.02 mg/m <sup>3</sup> STEL: 0.04 ppm STEL: 0.4 mg/m <sup>3</sup> STEL: 0.16 mg/m <sup>3</sup> H*	TWA: 0.02 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup> STEL: 0.02 mg/m <sup>3</sup> STEL: 0.06 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup> STEL: 0.06 mg/m <sup>3</sup>

**Biological occupational exposure limits**

Chemical name	European Union	United Kingdom	France	Spain	Germany
Mercury Metal 7439-97-6	-	20	-	30 10	25 µg/g
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Mercury Metal 7439-97-6	-	-	-	140 50	

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering controls** Apply technical measures to comply with the occupational exposure limits. Showers, eyewash stations, and ventilation systems. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Hand Protection** Protective gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Wash hands thoroughly after handling.

**Skin and body protection** Wear suitable protective clothing. Chemical resistant apron. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state	Liquid
Appearance	May vary
Odor	May vary.
Color	May vary
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	1-2	None known
Melting point / freezing point	0°C	None known
Boiling point / boiling range	100° C	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	23 hPa (17 mm Hg)	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Miscible in water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available	
Oxidizing properties	No information available	

### 9.2. Other information

Softening point	No information available
Molecular weight (g/mol)	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity	Stable under normal conditions.
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### 10.2. Chemical stability

Stability	Stable under normal conditions.
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### Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Contact with metals may evolve flammable hydrogen gas.

#### 10.4. Conditions to avoid

**Conditions to avoid** Incompatible materials.

#### 10.5. Incompatible materials

**Incompatible materials** Metals. Sodium hypochlorite. Amines. Bases. Strong oxidizing agents. Alkali.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Hydrogen chloride.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

##### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

#### Information on toxicological effects

**Symptoms** Burning. Skin irritation. Eye irritation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Ingestion causes burns of the upper digestive and respiratory tracts. Probable mucosal damage may contraindicate the use of gastric lavage. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

#### Numerical measures of toxicity

##### Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	1,190.00 mg/kg
<b>ATEmix (dermal)</b>	25,075.05 mg/kg
<b>ATEmix (inhalation-gas)</b>	2,816.51 ppm
<b>ATEmix (inhalation-dust/mist)</b>	2.51 mg/l

**Unknown acute toxicity** 20 % of the mixture consists of ingredient(s) of unknown toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

20 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water	> 90 mL/kg ( Rat )		
Hydrochloric acid	238 - 277 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	= 1.68 mg/L ( Rat ) 1 h



Tin Metal	= 700 mg/kg ( Rat )		
Antimony Metal	= 7 g/kg ( Rat )		

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes. Risk of serious damage to eyes.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	Contains a known or suspected reproductive toxin.

Chemical name	European Union
Mercury Metal	Repr. 1B

<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Ecotoxicity** The environmental impact of this product has not been fully investigated. Should not be released into the environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydrochloric acid	-	282: 96 h <i>Gambusia affinis</i> mg/L LC50 static	-	-
Mercury Metal	-	0.18: 96 h <i>Cyprinus carpio</i> mg/L LC50 static 0.9: 96 h <i>Oryzias latipes</i> mg/L LC50 flow-through 0.16: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static 0.5: 96 h <i>Cyprinus carpio</i> mg/L LC50	-	5.0: 96 h water flea µg/L EC50

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**12.3. Bioaccumulative potential**

**Bioaccumulation** No information available.

**12.4. Mobility in soil**

**Mobility in soil** No information available.

**Mobility** Soluble in water.

**12.5. Results of PBT and vPvB assessment**

PBT and vPvB assessment No information available.

**12.6. Other adverse effects**

Other adverse effects No information available.

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

**Section 14: TRANSPORT INFORMATION**

**IMDG**

14.1 UN/ID no. UN3264  
14.2 Proper shipping name Corrosive liquid, acidic, inorganic, n.o.s.  
14.3 Hazard Class 8  
14.4 Packing Group II  
14.5 Marine pollutant No information available  
14.6 Special Provisions No information available  
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

**RID**

14.1 UN/ID no. UN3264  
14.2 Proper shipping name Corrosive liquid, acidic, inorganic, n.o.s.  
14.3 Hazard Class 8  
14.4 Packing Group II  
14.5 Environmental hazard No information available  
14.6 Special Provisions No information available

**ADR**

14.1 UN/ID no. UN3264  
14.2 Proper shipping name Corrosive liquid, acidic, inorganic, n.o.s.  
14.3 Hazard Class 8  
14.4 Packing Group II  
14.5 Environmental hazard No information available  
14.6 Special Provisions No information available

**IATA**

14.1 UN/ID no. UN3264  
14.2 Proper shipping name Corrosive liquid, acidic, inorganic, n.o.s.  
14.3 Hazard Class 8  
14.4 Packing Group II  
14.5 Environmental hazard No information available  
14.6 Special Provisions No information available

**Section 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**France**

**Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number	Title
Antimony Metal 7440-36-0	RG 73	-
Mercury Metal 7439-97-6	RG 2	-

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Mercury Metal - 7439-97-6	18[a]. 30.	

**Persistent Organic Pollutants**

Not applicable

**Export Notification requirements**

This product contains substances which are regulated pursuant to Regulation (EC) No. 689/2008 of the European parliament and of the council concerning the export and import of dangerous chemicals

Chemical name	European Export/Import Restrictions per (EC) 689/2008 - Annex Number
Mercury Metal - 7439-97-6	V

**Named dangerous substances per Seveso Directive (2012/18/EU)**

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Hydrochloric acid - 7647-01-0	25	250

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009** Not applicable

**International Inventories**

<b>TSCA</b>	Does not comply
<b>DSL/NDSL</b>	Does not comply
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

**Chemical Safety Report**

A Chemical Safety Assessment has not been carried out for this substance

**Section 16: OTHER INFORMATION**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

H330 - Fatal if inhaled  
H360D - May damage the unborn child  
H372 - Causes damage to organs through prolonged or repeated exposure if inhaled  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H302 - Harmful if swallowed  
H332 - Harmful if inhaled  
H411 - Toxic to aquatic life with long lasting effects  
H331 - Toxic if inhaled  
H314 - Causes severe skin burns and eye damage

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

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Reason for revision SDS sections updated

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

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End of Safety Data Sheet