

**MATERIAL SAFETY DATA SHEET****Product Name:** Chloroplatinic acid hexahydrate**CAS No.:** 18497-13-7 **Version:** 0**1. Identification**

**Product Code** : 90368  
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**2. Hazards Identification****Hazard classification**

Acute toxicity, Oral : Category 3  
Skin corrosion : Category 1B  
Respiratory sensitisation : Category 1  
Skin sensitisation : Category 1

**Label elements****Hazard symbol**

**Signal word** : Danger

**Hazard statement** : Toxic if swallowed.  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Precautionary statement** : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/ physician.

**Other hazards which do not result in GHS classification** : None

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Ingredient	CAS No	Percent
Chloroplatinic acid hexahydrate	18497-13-7	NLT- 36.0%

**4. First Aid Measures****Description of first aid measures**

<b>General advice</b>	:	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin contact</b>	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
<b>Eye contact</b>	:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Swallowed</b>	:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Most important symptoms and effects, both acute and delayed</b>	:	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
<b>Indication of any immediate medical attention and special treatment needed</b>	:	No data available

**5. Fire fighting measures**

<b>Extinguishing media</b>	:	
<b>Suitable extinguishing media</b>	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special hazards arising from the substance or mixture</b>	:	Hydrogen chloride gas
<b>Advice for firefighters</b>	:	Wear self contained breathing apparatus for fire fighting if necessary
<b>Further information</b>	:	No data available

**6. Accidental Release Measures**

<b>Personal precautions, protective</b>	:	Wear respiratory protection. Avoid dust formation. Avoid
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<b>equipment and emergency procedures</b>	:	breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
<b>Environmental precautions</b>	:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
<b>Methods and materials for containment and cleaning up</b>	:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
<b>Reference to other sections</b>	:	For disposal see section 13.

**7. Handling and Storage**

<b>Precautions for safe handling</b>	:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
<b>Conditions for safe storage, including any incompatibilities</b>	:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive. strongly hygroscopic
<b>Specific end use(s)</b>	:	No data available

**8. Exposure Controls Personal Protection****Control parameters****Components with workplace control parameters****Exposure controls**

**Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

**Eye/face protection** : Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin Protection Hand protection** : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.  
Wash and dry hands.

**Body Protection** : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection** : Respiratory protection is required.

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<b>Appearance</b>	: Brownish yellow, very deliquescent crystalline mass.
<b>Odor</b>	: No data available
<b>pH</b>	: No data available
<b>Melting point/freezing point</b>	: No data available
<b>Initial boiling point and boiling range</b>	: No data available
<b>Flash Point</b>	: No data available
<b>Vapor pressure</b>	: No data available
<b>Vapor density</b>	: No data available
<b>Relative density</b>	: No data available
<b>Solubility in water</b>	: No data available
<b>Solubility (other)</b>	: No data available
<b>Formula</b>	: $H_2Cl_6Pt \cdot 6H_2O$
<b>Molecular Weight</b>	: 517.90 g/mol

**10. Stability and Reactivity**

<b>Reactivity</b>	: No data available
<b>Chemical stability</b>	: Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	: No data available
<b>Conditions to avoid</b>	: No data available
<b>Incompatible materials</b>	: Strong oxidizing agents, Bases
<b>Hazardous decomposition products</b>	: No data available

**11. Toxicological Information****Information on toxicological effects**

<b>Acute toxicity</b>	: LD50 Intraperitoneal - mouse - 82 mg/kg
<b>Skin corrosion/irritation</b>	: No data available
<b>Serious eye damage/eye irritation</b>	: No data available
<b>Respiratory or skin sensitization</b>	: May cause allergic skin reaction.
<b>Germ cell mutagenicity</b>	: No data available
<b>Carcinogenicity</b>	: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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**Reproductive toxicity** : No data available  
**Specific target organ toxicity - single exposure** : No data available  
**Specific target organ toxicity - repeated exposure** : No data available  
**Aspiration hazard** : No data available  
**Potential health effects**  
**Inhalation** : No data available  
**Ingestion** : No data available  
**Skin** : No data available  
**Eyes** : No data available  
**Signs and Symptoms of Exposure** : No data available

### 12. Ecological Information

**Toxicity** : No data available  
**Persistence and degradability** : No data available  
**Bioaccumulative potential** : No data available  
**Mobility in soil** : No data available  
**Other adverse effects** : No data available

### 13. Disposal consideration

**Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.  
**Contaminated packaging** : Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	2507	CHLOROPLATINIC ACID	8	III	No
IMDG	2507	CHLOROPLATINIC ACID	8	III	No

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<b>IATA</b>	2507	CHLOROPLATINIC ACID	8	III	No
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**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date :01/08/2014****Version : 0**

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