



|                     |   |
|---------------------|---|
| Health              | 2 |
| Fire                | 0 |
| Reactivity          | 0 |
| Personal Protection | H |

# Material Safety Data Sheet

## Platinum (II) chloride, 73% pt MSDS

### Section 1: Chemical Product and Company Identification

**Product Name:** Platinum (II) chloride, 73% pt

**Catalog Codes:** SLP3331

**Synonyms:** Platinous chloride

**Contact Information:**

**Sciencelab.com, Inc.**

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: [ScienceLab.com](http://ScienceLab.com)

**CHEMTREC (24HR Emergency Telephone), call:**

1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

### Section 2: Composition and Information on Ingredients

| CAS#       | Chemical Name          | Percent | EINECS/ELINCS |
|------------|------------------------|---------|---------------|
| 10025-65-7 | Platinum (II) chloride | 73.0    | 233-034-1     |

**Hazard Symbols:** Xi

**Risk Phrases:** 36/37/38 42/43

### Section 3: Hazards Identification

**EMERGENCY OVERVIEW:** Appearance: yellow-green solid. Causes skin irritation. May cause eye irritation. Causes respiratory tract irritation. May cause digestive tract irritation.

**Caution!:**

**Target Organs:** None known.

**Potential Health Effects:**

**Eye:** Causes eye irritation. In the eyes, the dusts cause a burning sensation, tearing, and conjunctival hyperemia (an excess of blood in a part), sometimes associated with photophobia.

**Skin:** Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Contact with the skin may cause urticaria (hives).

**Ingestion:** May cause irritation of the digestive tract.

**Inhalation:** Causes respiratory tract irritation. May cause asthmatic attacks due to allergic sensitization of the respiratory tract. Causes irritation of mucous membrane. Inhalation may produce tearing, sneezing, rhinorrhea (the free discharge of a thin nasal mucus), cough, dyspnea (labored breathing), bronchial asthma, and cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood).

**Chronic:** Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation may cause effects similar to those of acute inhalation.

#### Section 4: First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid. Get medical aid immediately.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

#### Section 5: Fire and Explosion Data

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.

**Extinguishing Media:** Use agent most appropriate to extinguish fire.

**Flash Point:** 580 deg C ( 1,076.00 deg F)

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** Not published.

#### Section 6: Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

#### Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

#### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Exposure Limits:**

| Chemical Name           | ACGIH       | NIOSH       | OSHA - Final PELs |
|-------------------------|-------------|-------------|-------------------|
| Platinum (III) chloride | none listed | none listed | none listed       |

**OSHA Vacated PELs:** Platinum (III) chloride: No OSHA Vacated PELs are listed for this chemical.

**Personal Protective Equipment:**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**Section 9: Physical and Chemical Properties**

**Physical State:** Solid

**Appearance:** yellow-green

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Freezing/Melting Point:** 581 deg C dec

**Decomposition Temperature:** 580 deg C

**Solubility:** insoluble

**Specific Gravity/Density:** 5.87

**Molecular Formula:** Cl<sub>2</sub>Pt

**Molecular Weight:** 266.00

**Section 10: Stability and Reactivity Data**

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, dust generation.

**Incompatibilities with Other Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** Hydrogen chloride.

**Hazardous Polymerization:** Has not been reported.

**Section 11: Toxicological Information**

**RTECS#:**

**CAS#:** 10025-65-7: TP2275000

**LD50/LC50:** CAS# 10025-65-7: Draize test, rabbit, skin: 100 mg/24H Mild; Oral, rat: LD50 = 3423 mg/kg;

**Carcinogenicity:** CAS# 10025-65-7: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Epidemiology:** No data available.

**Teratogenicity:** No data available.

**Reproductive Effects:** No data available.

**Neurotoxicity:** No data available.

**Mutagenicity:** Mutation data reported

**Other Studies:** No data available.

### Section 12: Ecological Information

### Section 13: Disposal Considerations

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

### Section 14: Transport Information

|                       | US DOT   | IATA | RID/ADR | IMO | Canada TDG                |
|-----------------------|--|------|---------|-----|---------------------------|
| <b>Shipping Name:</b> | DOT regulated - small quantity provisions apply (see 49CFR173.4) |      |         |     | No information available. |
| <b>Hazard Class:</b>  |  |      |         |     |                           |
| <b>UN Number:</b>     |  |      |         |     |                           |
| <b>Packing Group:</b> |  |      |         |     |                           |

### Section 15: Other Regulatory Information

**US FEDERAL:**

**TSCA:** CAS# 10025-65-7 is listed on the TSCA inventory.

**Health & Safety Reporting List:** None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules:** None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b:** None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule:** None of the chemicals in this material have a SNUR under TSCA.

**SARA:**

**CERCLA Hazardous Substances and corresponding RQs:** None of the chemicals in this material have an RQ.

**SARA Section 302 Extremely Hazardous Substances:** None of the chemicals in this product have a TPQ.

**Section 313:** No chemicals are reportable under Section 313.

**Clean Air Act:** This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

**Clean Water Act:** None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE:** CAS# 10025-65-7 can be found on the following state right to know lists: New Jersey, Massachusetts, California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations:**

**European Labeling in Accordance with EC Directives:**

**Hazard Symbols:** Xi

**Risk Phrases:** R 36/37/38 Irritating to eyes, respiratory system and skin. R 42/43 May cause sensitization by inhalation and skin contact.

**Safety Phrases:** S 16 Keep away from sources of ignition - No smoking. S 24 Avoid contact with skin. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 37/39 Wear suitable gloves and eye/face protection.

**WGK (Water Danger/Protection):** CAS# 10025-65-7: 1

**Canada - DSL/NDSL:** CAS# 10025-65-7 is listed on Canada's DSL List.

**Canada - WHMIS:** This product has a WHMIS classification of E.

**Canadian Ingredient Disclosure List:** CAS# 10025-65-7 is listed on the Canadian Ingredient Disclosure List.

**Exposure Limits:** CAS# 10025-65-7 (listed as platinum): OEL-AUSTRALIA:TWA 1 mg/m<sup>3</sup> OEL-BELGIUM:TWA 1 mg/m<sup>3</sup> OEL-CZECHOSLOVAKIA:TWA 0.001 mg/m<sup>3</sup>;STEL 0.002 mg/m<sup>3</sup> (dust) OEL-DENMARK:TWA 1 mg/m<sup>3</sup> OEL-FRANCE:TWA 1 mg/m<sup>3</sup> OEL-HUNGARY :TWA 0.001 mg/m<sup>3</sup>;STEL 0.002 mg/m<sup>3</sup> JAN9 OEL-THE NETHERLANDS:TWA 1 mg/m<sup>3</sup> OEL-SWITZERLAND:TWA 1 mg/m<sup>3</sup> OEL IN BULGARIA, COLOMBIA, JORDAN, KOR EA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

**HMIS (U.S.A.):**

**Health Hazard:** 2

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** h

**National Fire Protection Association (U.S.A.):**

**Health:** 2

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Section 16: Other Information**

**Created:** 04/19/2005 12:24 PM

**Last Updated:** 11/01/2010 12:00 PM

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.*