



Revised: 11/09/2010

**1. Chemical Product and Contact Information**

**Product Name: Platinum Silica Catalyst**      **Part number: 501-587**

**LECO Corporation**

3000 Lakeview

St. Joseph, Michigan 49085

Information: 269-983-5531

Chemtrec: 800-424-9300

(Chemtrec Int'l: 703-527-3887)

**2. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS No.</u>	<u>OSHA PEL (mg/m<sup>3</sup>)</u>	<u>ACGIH TLV (mg/m<sup>3</sup>)</u>	<u>Typical % by Weight</u>
Silica Gel, amorphous	63231-67-4	6	10	99
Platinum	7440-06-4	1	1	1

**3. Hazard Identification****EMERGENCY OVERVIEW**

No unusual spill hazard and minor fire hazard; moderate long-term and inhalation health risk. Odorless black granules or powder.

**Potential Health Effects**

**EYES:** May cause mechanical irritation if exposed to large amounts of dust.

**SKIN:** Prolonged or repeated contact may cause irritation.

**INHALATION:** May cause drying of mucous membranes and respiratory tract irritation.

**INGESTION:** No adverse effects expected.

**MEDICAL CONDITIONS AGGRAVATED:** See above.

**CHRONIC OVEREXPOSURE:** May cause irritation.

**ACUTE OVEREXPOSURE:** None known.

**CARCINOGENICITY:** None.

**P/N: 501-587**

**4. First Aid Measures**

EYES: Flush eyes with plenty of water. If irritation develops, call a physician.

SKIN: Procedures not normally needed. If skin contact occurs, flush with plenty of water. If irritation develops, call a physician.

INHALATION: Procedures not normally needed. If exposed to excessive levels of dust or fumes, remove to fresh air and seek medical attention.

INGESTION: Procedures not normally needed. If large quantities are ingested, seek medical advice.

**5. Fire Fighting Measures**

FLAMMABLE PROPERTIES: Non-flammable.

Flash Point: None.

Method Used: Not applicable.

Flammable Limits (% by Volume in Air):

Lower: None.

Upper: None.

AUTO-IGNITION TEMPERATURE: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: May release flammable gases.

EXTINGUISHING MEDIA: Material will not burn. Use media appropriate for surrounding fire.

FIREFIGHTING INSTRUCTIONS: Not a fire or explosion hazard. However, contact with methanol or ethanol may cause a vigorous reaction, releasing flammable gases with a large amount of heat and a possible explosion.

**6. Accidental Release Measures**

SMALL/LARGE SPILL: Vacuum or scoop the spilled material into a container for reclamation or disposal. Proper exposure controls and personal protection equipment should be used (Section 8) and disposal should be in accordance with Section 13 guidelines.

**7. Handling and Storage**

HANDLING: Wash thoroughly after handling. Avoid generating or breathing dust. Avoid contact with eyes or skin.

STORAGE: Keep container closed. Store in a cool, dry location away from incompatible materials.

**8. Exposure Controls/Personal Protection**

ENGINEERING CONTROLS: General; local exhaust ventilation as necessary to control any air contaminants to within their PELs or TLVs during the use of this product.

RESPIRATORY PROTECTION: Use NIOSH-approved dust mask if exposure exceeds TLV.

SKIN AND HAND PROTECTION: Gloves.

EYE AND FACE PROTECTION: Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: None.

**9. Physical and Chemical Properties**

APPEARANCE: Black granules or powder.  
BOILING POINT: Not applicable.  
FREEZE-MELT POINT: > 3092° F. (1700° C.)  
VAPOR PRESSURE (mm): Not applicable.  
VAPOR DENSITY (air = 1): Not applicable.  
SOLUBILITY IN WATER: Insoluble.  
SPECIFIC GRAVITY: 2.1 - 2.2  
pH: Not applicable.  
ODOR: None.  
PERCENT VOLATILES: Not available.  
EVAPORATION RATE (Butyl Acetate = 1): Not applicable.

**10. Stability and Reactivity**

CHEMICAL STABILITY: Stable.  
INCOMPATIBILITY: Fluorine or fluorine containing compounds, particularly HF. Avoid strong oxidizers.  
HAZARDOUS DECOMPOSITION PRODUCTS: May release flammable gases in reaction with methanol or ethanol.  
HAZARDOUS POLYMERIZATION: None.

**11. Toxicological Information**

None reported.

**12. Ecological Information**

Not available.

**13. Disposal Consideration**

Federal, state & local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary). Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. NOTE: Chemical additions, processing or otherwise altering this material may make the waste management information presented above incomplete, inaccurate or otherwise inappropriate. As local regulations may vary; all waste must be disposed/recycled/reclaimed in accordance with federal, state and local environmental control regulations.

**14. Transportation Information**

U.S.A. DOT: Not regulated.

**15. Regulatory Information**

U.S. FEDERAL REGULATIONS:

TSCA STATUS: On Toxic Substance Control Inventory.

CERCLA REPORTABLE QUANTITY: None.

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None.

Section 311/312 Hazardous Categories: Chronic.

Section 313 Toxic Chemicals: None.

RCRA STATUS: Not regulated.

CANADIAN REGULATIONS:

WHMIS: Not regulated.

RISK/SAFETY PHRASES:

R36/37/38 – Irritating to eyes, respiratory system and skin

S37/39 – Wear suitable protective clothing and eye/face protection

S38 – In case of insufficient ventilation wear suitable respiratory equipment

**16. Other Information**

**Hazard Index: (0 - 4, 4 = Extreme)**

**Health: 1**

**Fire: 0**

**Reactivity: 0**

Prepared By:

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*Information herein is given in good faith as authoritative and valid; however, no warranty, expressed or implied can be made.*