

1. Chemical Product and Contact Information**Product Name: Colloidal Silica****P/N:902-011****LECO Corporation****3000 Lakeview****St. Joseph, MI, 49085****Information: 269-983-5531****Chemtrec: 800-424-9300****(Chemtrec Int'l: 202-483-2616)****2. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS No.</u>	<u>OSHA PEL (mg/m³)</u>	<u>ACGIH TLV (mg/m³)</u>	<u>Other Limits</u>	<u>Typical % by Weight</u>
Colloidal Silica	7631-86-9	6	10		20 - 40
Water	7732-18-5	Not estab.	Not estab.		Balance

3. Hazard Identification**EMERGENCY OVERVIEW**

CAUTION: Inhalation of mist or dust may be harmful. Avoid repeated or prolonged breathing of spray mist or dusts. Keep container closed when not in use. Use with adequate ventilation. Odorless white liquid.

Potential Health Effects

EYES: Can cause mild, short-lasting irritation.

SKIN: Can cause mild, short-lasting irritation.

INHALATION: May cause irritation to the respiratory tract and lungs if dust is inhaled.

INGESTION: Not available.

MEDICAL CONDITIONS AGGRAVATED: Prolonged inhalation of dust can increase lung injury in individuals with emphysema, asthma or other lung disorders.

CHRONIC OVEREXPOSURE: Prolonged inhalation of dust can cause pneumoconiosis.

ACUTE OVEREXPOSURE: Not available.

CARCINOGENICITY: None.

4. First Aid Measures

EYES: Flush with water for 15 minutes. Call a physician.

SKIN: Flush with water for 15 minutes.

INHALATION: Remove to fresh air. Treat symptoms. Call a physician.

INGESTION: Do not induce vomiting. Give water. Call a physician.

NOTE TO PHYSICIAN: No specific antidote is known. Based on the individual reactions of the patient, the physician's judgment should be used to control symptoms and clinical condition.

CAUTION: If unconscious, having trouble breathing or in convulsions, do not induce vomiting or give water.

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 available.

HAZARDOUS COMBUSTION PRODUCTS: Not available.

EXTINGUISHING MEDIA: Not available.

FIREFIGHTING INSTRUCTIONS: Not available.

6. Accidental Release Measures

SMALL SPILL: Contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal.

LARGE SPILL: Dike to prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal.

7. Handling and Storage

HANDLING: No special precautions.

STORAGE: Keep container closed.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: General ventilation is recommended.

RESPIRATORY PROTECTION: Not normally needed since the volatility and toxicity are low. If significant mists or aerosols are generated, wear a NIOSH-approved or equivalent respirator.

SKIN AND HAND PROTECTION: Impermeable gloves when attaching feeding equipment or doing maintenance.

EYE AND FACE PROTECTION: Chemical splash goggles when attaching feeding equipment or doing maintenance.

OTHER PROTECTIVE EQUIPMENT: If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

9. Physical and Chemical Properties

APPEARANCE: White liquid.
 BOILING POINT: 212° F. (100° C.) @ 760 mm Hg.
 FREEZE-MELT POINT: Not available.
 VAPOR PRESSURE (mm): Not available.
 VAPOR DENSITY (air = 1): Not available.
 SOLUBILITY IN WATER: Dispersible.
 SPECIFIC GRAVITY: 1.29 - 1.30 @ 77° F. (25° C.)
 pH: (Neat) 9.5 - 9.9
 ODOR: None.
 PERCENT VOLATILES: Not available.
 EVAPORATION RATE (Butyl Acetate = 1): Not available.

10. Stability and Reactivity

CHEMICAL STABILITY: Stable.
 INCOMPATIBILITY: Aluminum, strong acids (e.g. sulfuric, phosphoric, nitric, hydrochloric, chromic or sulfonic) which can generate heat, splattering or boiling and the release of toxic fumes.
 HAZARDOUS DECOMPOSITION PRODUCTS: Not available.
 HAZARDOUS POLYMERIZATION: None.

11. Toxicological Information

Oral LD₅₀ for albino rats: > 15380 mg/kg.
 Skin Irritation Index Draize Rating: 0.3/8.0 Minimally irritating.
 Eye Irritation Index Draize Rating: 3.7/110.0 Minimally irritating.

12. Ecological Information

96-hour static acute LC₅₀ to Bluegill Sunfish = > 1000 ppm
 96-hour static acute LC₅₀ to Rainbow Trout - > 1000 ppm

13. Disposal Consideration

If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the RCRA 40 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under Subpart D.
 As a non-hazardous liquid waste, it should be solidified with stabilizing agents (such as sand, fly ash or cement) so that no free liquid remains before disposal to an industrial waste landfill. A non-hazardous liquid waste can also be deep-well injected in accordance with federal, state & local 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: Acute, Chronic

Section 313 Toxic Chemicals: None.

RCRA STATUS: Not regulated

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Class D2B. The product contains the following substance(s), from the Ingredient Disclosure List or has been evaluated based on its toxicological properties, to contain the following hazardous ingredients:

Colloidal silica CAS 7631-86-9 Concentration: 20 - 40

16. Other Information

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

Health: 1

Fire: 0

Reactivity: 0

Viscosity: 20 cps

Density: 10.7 - 10.8 lbs/gal.

State Right To Know Laws: The following ingredient(s) are disclosed for compliance with State

Right To Know Laws:

Colloidal Silica 7631-86-9

Water 7732-18-5

Prepared By:

Duane Ostenson

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