



Pulver

1. Chemical Product and Contact Information

Revised: 7/13/02

Product Name: Microid Diamond
Compound Extender

Part Numbers:**LECO Corporation**

811-001

3000 Lakeview

811-002

St. Joseph, MI, 49085

811-003

Information: 269-983-5531

811-004

Chemtrec: 800-424-9300**(Chemtrec Int'l:** 703-527-3887)**2. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS No.</u>	OSHA	ACGIH	<u>Typical % by Weight</u>
		<u>PEL (ppm)</u>	<u>TLV (ppm)</u>	
Ethylene Glycol	107-21-1	50	50	70 - 100
Ethylene Glycol	111-76-2	50	50	0 - 20
Monobutyl Ether				
Methyl Alcohol	67-56-1	200	200	0 - 20

3. Hazard Identification**EMERGENCY OVERVIEW**

May be fatal or cause blindness if swallowed.

Potential Health Effects

EYES: Irritation, redness and swelling of the conjunctiva.

SKIN: Irritation, dermatitis and dryness.

INHALATION: Irritation of the respiratory tract, headache, nausea and vomiting.

INGESTION: Headache, dizziness, nausea, diarrhea, blindness and death.

MEDICAL CONDITIONS AGGRAVATED: May aggravate existing dermatitis.

CHRONIC OVEREXPOSURE: Not available.

ACUTE OVEREXPOSURE: See above.

CARCINOGENICITY: None.

P/N: 811-001

4. First Aid Measures

EYES: Flush thoroughly with water for 15 minutes. Call a physician if irritation persists.
SKIN: Remove contaminated clothing and wash before reuse. Items that cannot be decontaminated should be discarded. Wash with soap and water promptly.
INHALATION: Remove to fresh air. Give artificial respiration and/or oxygen if necessary. Call a physician.
INGESTION: Give two glasses of water and induce vomiting. Call physician.

5. Fire Fighting Measures

FLAMMABLE PROPERTIES: Nonflammable.
Flash Point: 184° F. (84° C.) **Method Used:** Pensky-Martens closed cup.
Flammable Limits (% by Volume in Air):
Lower: 1.1 **Upper:** 15.3
AUTO-IGNITION TEMPERATURE: Not available.
HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and carbon dioxide.
EXTINGUISHING MEDIA: All-purpose-type or alcohol-type foam, carbon dioxide, or dry chemical.
FIREFIGHTING INSTRUCTIONS: Do not direct a solid stream of water into hot burning pools; use self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Eliminate ignition sources. Avoid eye or skin contact. Place leaking containers in well-ventilated areas.
SMALL SPILLS: Use absorbent material and collect for disposal.
LARGE SPILLS: Dike and contain spill; collect for disposal. Avoid runoff into storm sewers.

7. Handling and Storage

HANDLING: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling.
STORAGE: Store in a cool dry place away from heat and flame. Keep container closed when not in use.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: General ventilation is adequate at room temperature, but if material is at elevated temperatures, or if mists are being generated, use local ventilation to keep material out of workplace air.
RESPIRATORY PROTECTION: NIOSH-approved breathing air equipment.
SKIN AND HAND PROTECTION: PVC-coated or rubber gloves.
EYE AND FACE PROTECTION: NIOSH-approved safety glasses.
OTHER PROTECTIVE EQUIPMENT: Eye bath and safety shower should be available.

9. Physical and Chemical Properties

APPEARANCE: Clear red liquid.
BOILING POINT: 284° F. (140° C.)
FREEZE-MELT POINT: 9° F. (-13° C.)
VAPOR PRESSURE (mm): 0.1 mm Hg @ 68° F. (20° C.)
VAPOR DENSITY (air = 1): 2.1
SOLUBILITY IN WATER: Soluble.
SPECIFIC GRAVITY: 1.10
pH: Not applicable.
ODOR: Characteristic.
VOLATILE FRACTION BY WEIGHT: 100
EVAPORATION RATE (Butyl Acetate = 1): 0.02

10. Stability and Reactivity

CHEMICAL STABILITY: Stable.
INCOMPATIBILITY: Sulfuric acid and other dehydrating agents, nitric acid, oxygen, hydrogen peroxide, perchloric acid, chromium trioxide, and other strong oxidizing agents, acetic anhydride.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and/or carbon dioxide.
HAZARDOUS POLYMERIZATION: None.

11. Toxicological Information

Acute toxicity for ethylene glycol:
 Oral lethal dose for humans: 1.6 g/kg
 Dermal LD50 (rabbit): 19 g/kg

12. Ecological Information

Not available.

13. Disposal Consideration

Hazardous solid waste under RCRA.
 Incinerate in furnace where permitted under Federal, State & local regulations.

14. Transportation Information

U.S.A. DOT: Not regulated
 Marine Pollutant: No

15. Regulatory Information**U.S. FEDERAL REGULATIONS:**

TSCA STATUS: On Toxic Substance Control Inventory.

CERCLA REPORTABLE QUANTITY: Methyl Alcohol, 5000 lbs.

SARA TITLE III:

Section 302 Extremely Hazardous Substances:

None.

Section 311/312 Hazardous Categories:

Acute, Fire.

Section 313 Toxic Chemicals:

Ethylene Glycol, Glycol Ethers,
Methyl Alcohol.

RCRA STATUS: Not regulated.

California Proposition 65: Contains trace levels of acetaldehyde and dioxane.

Massachusetts: Hazardous substances ethylene glycol and 2-butoxyethanol.

Extraordinarily dangerous substances dioxane and methanol.

Pennsylvania: Ethylene glycol and 2-butoxyethanol.

CANADIAN REGULATIONS:

WHMIS: D2B

16. Other Information

Process hazard: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperatures and pressure may result in ignitions without obvious ignition sources.

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

Health: 2

Fire: 2

Reactivity: 0

Prepared By:

Jason Whitt

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

P/N: 811-001

RUN# DR0550

LECO CORPORATION

DATE 11/06/03

CUST # 717700

"MSDS" SHEETS MAILING LIST

SCHOOLCRAFT COLLEGE
ATTN: SAFETY DIRECTOR
18600 HAGGERTY
LIVONIA MI 48152

"MSDS" SHEETS REQUIRED

MSDS NUMBER	PART NUMBER	DESCRIPTION	PURCHASE ORDER
MSDS-02680	811-003	DIAMOND OIL EX	P0096233