



450 Main Street
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Hazardous Rating:

4 - Extreme	TOXICITY	3
3 - High	FIRE	0
2 - Moderate	REACTIVITY	3
1 - Slight		
0 - Minimal		

MATERIAL SAFETY DATA SHEET

I. PRODUCT DATA

•**Product Name:** Cid-A-L™II •**Product Class:** Surfactant Blend •**Formula:** NA •**Precautions:** Severe Skin/Eye Irritation

II. HAZARDOUS INGREDIENTS* (NE=Not Established; NL=Not Listed; C=Identified as a Carcinogen by OSHA, IARC or NTP).

*Ingredient (CAS#)	%	OSHA PEL (PPM)	ACGI TLV (PPM)	Other
Ethyl alcohol, denatured (64-17-5)	1.1	1,000	1,000	NA

*Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

III. PHYSICAL DATA (ND=Not Determined; NA=Not Applicable)

• Flash Point	>200°F _(PMCC)	• Water Solubility:	Complete	• Appearance:	Clear
• Boiling Point:	212°F	• Volatiles:	76% (by wt.) (Volatiles=Boiling Point <400°F)	• Odor:	Slight Alcohol
• Vapor Pres. (mmHg.):	ND	• Specific Gravity:	1.05	• Flammability Limits:	NA/ND
• Vapor Density:	>Air	• pH:	12.0 @ 24% Solids in Aqueous Medium	• Evaporation Rate:	Slower than Ether

IV. FIRE, EXPLOSION and REACTIVITY DATA

- Extinguishing Media:** NA, **Water**, **Dry Chem**, **CO₂**, **Foam**, Other
- Unusual Fire & Explosion Hazards:** Strong Acids and Bases react with Aluminum to form Hydrogen which is explosive if ignited. Dust may present an explosive hazard.
- Special Fire Fighting Procedures:** Use self contained breathing apparatus with full face plate for maximum respiratory protection in fires involving chemicals.
- Incompatibility:** Strong Oxidizing Agents. •**Hazardous Polymerization:** May Occur **Will Not Occur At Ambient Temp.**
- Hazardous Decomposition Products:** Nitrous Oxides, Ammoniacal Vapors. •**Stability:** Stable.

V. HEALTH HAZARD DATA

- Effects of Exposure:** -**Eyes:** Contact causes irritation and chemical burns. -**Skin:** Prolonged or repeated contact may cause irritation.
- Inhalation:** Vapor may cause drowsiness, nausea, loss of motor skills or disorientation. Do not create mist.
- Ingestion:** Corrosive. May cause chemical burns.
- Emergency or First Aid Procedures/Precautions:**
- Eye Contact:** Flush eyes immediately with plenty of water for at least 15 minutes.
- Skin Contact:** Wash off skin and remove contaminated clothing. Do not reuse contaminated clothing.
- Inhalation:** If dust, vapors or mist cause distress, remove to fresh air. Use oxygen or artificial respiration, if needed.
- Ingestion:** If swallowed, consult a physician immediately. If symptoms persist, consult a physician.

VI. ENVIRONMENTAL PROTECTION

- Spills or Leak Procedures:** **Contain Spills/Leaks** **Prevent Discharge to Environment** **Ventilate Area**
- If flammable or combustible: avoid sparks, fires and open flames, and use non-sparking equipment.
- If Strong Acid (see section 3), carefully neutralize with lime, sodium carbonate or bicarbonate.
- Small Spill:** Soak up with absorbent. Shovel into waste container. Flush area with water.
- Large Spill:** Recover spilled material for processing or disposal.
- Waste Disposal Method:** Recover liquid or dispose waste material in accordance with applicable Federal, State, and Local regulations and laws. Material collected with absorbent may be disposed of in a permitted accordance with applicable government regulations and laws.

VII. SPECIAL PROTECTION INFORMATION

- Eye Protection:** **Avoid contact with face or eyes** **Wear goggles or Full Face Shield**
- Ventilation:** Not required (but a good practice) **Local exhaust and adequate ventilation**
- Other Protective Equipment:** None required (but a good practice).
- Use impervious gloves and any other protective equipment to prevent prolonged or repeated contact.
- Respiratory Protection:** Not required (but a good practice).
- If vapors, fumes or dusts are present use a MSHA or NIOSH self-contained breathing apparatus.

VIII. SPECIAL PRECAUTIONS

- Handling and Storage:** **Yes Indoor** **No Heated** **No Refrigerated** **Yes Outdoor** **Yes Avoid sparks, fire, open flame**
- Other Precautions:** -Surfaces become slippery when wet. Wear proper foot wear. Always guard against slipping or falling.
- Do not take internally! If ingested, call a physician! Do not inhale vapors, fumes or dust! Wash thoroughly after handling. Spilled material is slippery.

IX. DISCLAIMER

The information contained herein is based on Data provided by manufactures of contained ingredients and is considered accurate. No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Apollo Corp. assumes no responsibility for personal injury or property damage to vendees or users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

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