MATERIAL SAFETY DATA SHEET

320 37th Avenue, St. Charles, Illinois 60174
www.unitedlabsinc.com . www.unitedlabs.ca

To Reorder Call:
800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
24 Hour INFOTRAC (US and CANADA): **800-535-5053**

PRODUCT NAME	USE/DESCRIPTION	REVISION DATE
UNITED 573 DUST DOWN PLUS	Mineralized Dust Encapsulation	May 29, 2014

HMIS III HEALTH (0 = Maximum Safety) **1**

Always follow Label Directions and Cautions.

***** Chronic
4 Severe
3 Serious
2 Moderate
1 Slight
0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) **0**

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire.
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.
2 Violent chemical change possible-use hose stream from distance
1 Unstable if heated-use precaution.
0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) **0**

Susceptibility of Material to Burning.

4 Extremely flammable.
3 Ignites at normal temperature.
2 Ignites when moderately heated.
1 Must be preheated to burn.
0 Will not burn.

PERSONAL PROTECTION: n & p

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Calcium Chloride	10043-52-4	< 43	NE	NE	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: Can cause irritation which could be severe eye irritation. Liquid contact may result in corneal injury which heals slowly.
Skin: May cause mild irritation to skin. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is scratched or cut. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.
Inhalation: Prolonged inhalation of mist may be irritating to nose and throat.
Ingestion: Small amounts swallowed incidental to normal handling operations are not likely to cause injury. Swallowing amounts larger than that may cause injury. May cause gastrointestinal irritation.

Material may be handled at elevated temperatures. Contact with heated material may cause thermal burns and a more intense chemical irritation or burn than at ambient temperatures.

4. FIRST AID MEASURES

Eyes: Hold eye open and rinse slowly and gently with plenty of water for at least 15 minutes. Call a physician immediately.
Skin: Flush area with water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation persists, get medical attention. Do not apply oils or ointment unless ordered by the physician.
Inhalation: Move person to fresh air, If person is not breathing, give artificial respiration preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
Ingestion: Drink large amounts of water to dilute. DO NOT induce vomiting. Call a physician immediately. Never induce vomiting or give anything by mouth to an unconscious person.
Notes to Physician: If a burn is present, treat as a thermal burn after decontamination. May cause tissue destruction leading to stricture. If lavage is performed, suggest endotracheal and/or esophageal control.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): NA) **Explosive Limits:** Lower (LEL): NA Upper (UEL): NA
Flame Projection (Aerosol): NA
Hazardous Products of Combustion: Fumes of chlorides (C1-) are given off at temperatures above 1600 °C.
Fire and Explosion Hazards: None known.
Extinguishing Media: For fires in area use appropriate media; Water spray, Dry chemical, Carbon dioxide, alcohol foam.
Fire Fighting Instructions: Evacuate area of unprotected personnel. Wear self-contained breathing apparatus w/full protective clothing in fighting fires involving chemicals. Product generates heat upon addition of water, with possible spattering. Run-off from fire control may cause pollution..

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Use proper safety equipment. Contain spill, place into drums for proper disposal. Caution: Spilled material may be slippery. Flush remaining area with water to remove trace residue and dispose of properly.
Large Spills: For large spills, evacuate unprotected personnel from area. Maintain adequate ventilation. Use proper safety equipment. Contain spill, place into drums for proper disposal. Caution: Spilled material may be slippery. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

7. HANDLING AND STORAGE

Keep this product in a properly labeled, tightly closed container, in a cool, well-ventilated location out of direct sunlight. Do not freeze. Store away from incompatible materials. Heat developed during diluting or dissolving is very high. Always use cool water when diluting or dissolving (temperatures less than 80°F). Avoid contact with skin and eyes. Avoid dust or mist formation. Wash thoroughly after handling. Do not eat, drink, or smoke in work area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles are recommended. Do not wear contact lenses.
Skin: Rubber, neoprene, or other chemically impervious gloves are recommended.
Respiratory: Normally not needed but if recommended Exposure Limits are exceeded NIOSH-approved respirator for dusts and mists should be used.
Engineering Controls: Maintain adequate ventilation. Do not use in closed or confined space. Avoid mist formation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 230-251°F **Specific Gravity:** 1.322 @25°C **Vapor Pressure:** 7-15 @25°C **Melting Point:** NA
Vapor Density: 1 **Evaporation Rate:** NA **Solubility in Water** Complete **pH:** NA
Appearance and Odor: Clear, colorless to faint yellow liquid with no scent.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.
Hazardous Decomposition: Fumes of chlorides (C1-) are given off at temperatures above 1600°C.
Chemical Stability: Stable
Incompatibility: Avoid accidental contact with metals, brass, mild steel, aluminum, ferrous metals, and sulfuric acid. Reacts violently with boron trifluoride or a mixture of born trioxide and calcium oxide. Flammable hydrogen may be generated from contact with metals such as zinc or sodium.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): No
California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? No

12. ECOLOGICAL INFORMATION

ND.

13. DISPOSAL CONSIDERATIONS

Consult your local, state, and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request
TDG: Available upon request
UN: Availabale upon request

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): None
TSCA (Toxic Substances Control Act): Listed
SARA Title III Section 302 EHS: None
SARA Title III Section 311/312: Acute -health hazard.
SARA Title III Section 313 Toxic Chemicals: None
WHMIS Classification:
This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.