

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Product and Company Identification

Product Code CO632-128"1	
Product Name CO COLLOIDAL SILICA	
Manufacturer's Name Mark V Laboratory, Inc.	Emergency Telephone Number CHEMTREC 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 18 Kripes Road	Telephone Number For Information (860) 653-7201
Post Office Box 540	Date Prepared July 1, 2013
East Granby, Connecticut 06026	Signature of Preparer (optional)

Section 2. Composition / Information on Ingredients

Component	CASRegistry#	wt. %	Exposure Limits	
			ACGIH TLV	OSHA PEL
Silica (AS DRY DUST)	7631-86-9		10mg/m3	N/A
Deionized Water	7732-18-5		N/A	N/A

Section 3. Hazards Identification

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EMERGENCY OVERVIEW

Not listed as a carcinogen by IARC, NTP, or OSHA. May cause slight irritation to skin and eyes.

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POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Slightly irritating, high concentrations may cause conjunctivitis, not Corrosive.

INHALATION: Spray mist or dry dust may cause congestion, coughing, granuloma in lungs.

SKIN CONTACT: Non-irritating to rabbit skin and non-sensitizing to guinea pig skin. Very Low toxicity by absorption

INGESTION: Very low toxicity

Product: Colloidal Silica

Section 4. First Aid Measures

INHALATION: If inhaled, immediately remove the affected person to fresh air. Seek medical attention.

EYE CONTACT: In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists seek medical attention.

SKIN CONTACT: Wash affected area with a waterless hand cleaner and/or soap and water. If irritation persists seek medical attention.

INGESTION: If material is swallowed, get immediate medical attention or advice. Give One to Two glasses of water or milk. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

FLAMMABLE PROPERTIES:

FLASH POINT: N/A METHOD USED:

FLAMMABLE LIMITS

LFL: N/A UFL: N/A

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide (CO₂), water fog.

FIRE & EXPLOSION HAZARDS: Product is non-combustible

FIRE FIGHTING INSTRUCTIONS: use proper methods for surrounding fire.

FIRE FIGHTING EQUIPMENT: Full-face self contained breathing apparatus, impervious protective clothing.

Section 6. Accidental Release Measures

No special procedures, follow local guidelines for disposal.

Section 7. Handling and Storage

Practice good work habits, avoid skin and eye contact. Store in tightly closed container in a cool well ventilated area

Section 8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS: Use proper ventilation to remove and prevent buildup of vapor or mist generated from handling.

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator when ventilation is not adequate.

SKIN PROTECTION: Use impervious gloves. Impervious boots and apron are recommended.

Product: Colloidal Silica

EYE PROTECTION: Wear safety glasses, chemical goggles, or a full-face shield.

Section 9. Physical and chemical Properties

APPEARANCE:	Blue	PHYSICAL STATE:	Liquid
BOILING POINT:	100 Deg C, 212 Deg F	SOLUBILITY IN WATER:	Dispersible
EVAPORATION RATE:	N/A	SPECIFIC GRAVITY:	N/A
FREEZING POINT:	N/A	VAPOR DENSITY:	N/A
MELTING POINT:	0 c/32 f	VAPOR PRESSURE:	N/A
MOLECULAR WEIGHT:	N/A	VISCOSITY:	N/A
ODOR:	None	% VOLATILE:	N/A
pH:	~10		

Section 10. Stability and Reactivity

CHEMICAL STABILITY: This is a stable material.

INCOMPATIBILITY: None Specific.

HAZARDOUS DECOMPOSITION PRODUCTS: None specific.

CONDITIONS TO AVOID: None specific.

Section 11. Toxicological Information

EYE: May cause temporary eye irritation.

SKIN: Prolonged contact may cause redness and irritation.

INGESTION: No harmful effects expected in amounts likely to be ingested by accident.

INHALATION: Not relevant at normal temperatures.

Product: Colloidal Silica

Section 12. Ecological Information

ECOTOXICITY: The product is not expected to be harmful to the environment.

MOBILITY: The product is water-soluble and may spread in water systems.

DEGRADABILITY: The degradability of the product has not been stated.

Section 13. Disposal Considerations

Comply with Federal, State and Local Regulations.

Section 14. Transport Information (Not meant to be all inclusive)

D.O.T. SHIPPING NAME: N/A
TECHNICAL SHIPPING NAME: N/A
D.O.T. HAZARD CLASS: N/A
U.N. / N.A. NUMBER: N/A
PRODUCT RQ (LBS): N/A
D.O.T. LABEL: N/A
D.O.T. PLACARD: N/A
FREIGHT CLASS BULK: N/A
FREIGHT CLASS PACKAGE: N/A
PRODUCT LABEL: CO32 - 128

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA STATUS: Yes

TSCA STATUS: None

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No

SECTION 311/312 HAZARDOUS CATEGORIES: No

SECTION 313 TOXIC CHEMICALS: No

RCRA STATUS: No

CALIFORNIA PROPOSITION 65: No

Section 16. Other Information

MSDS STATUS:

NOTE: The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.