



SAFETY DATA SHEET

Section 1. Product And Company Identification

Product Name: Solidifier™
Product Use: Liquid medical waste solidifier.

Manufacturer: METREX™ RESEARCH
1717 W. Collins Ave.
Orange, CA 92867
U.S.A.

Information Phone Number: 1-800-841-1428 (Customer Service)

Chemical Emergency Phone Number (Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

SDS Date Of Preparation/Revision: 12/16/2014

Section 2. Hazards Identification

GHS / HAZCOM 2012 Classification:
Combustible Dust

Label Elements:

Warning!

May form combustible dust concentrations in air.

Section 3. Composition/Information On Ingredients

Component	CAS No.	Amount
Polyacrylates	Proprietary	>99%

Section 4. First Aid Measures

Inhalation: Move to fresh air if effects occur. Seek medical attention if symptoms occur and persist.

Skin Contact: Wash with soap and water. If skin irritation develops and persists, seek medical attention.

Eye Contact: Hold eye open and rinse slowly and gently with water for several minutes. Remove contact lenses, if present, then continue rinsing. If irritation occurs and persists, seek medical advice.

Ingestion: If swallowed and symptoms develop, get medical advice by calling a Poison Control Center or hospital emergency room. Do not induce vomiting unless directed to do so by a medical professional. Do not attempt to give anything by mouth to an unconscious person.

Most Important symptoms and effects, both acute and delayed: Dust may be irritating to eyes and respiratory tract. Prolonged inhalation of dust may cause adverse lung effects.



Indication of any immediate medical attention and special treatment needed: Immediate medical attention is not generally required.

Section 5. Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use water spray or fog, foam or dry chemical. Do not use solid water jet as this may generate airborne dust or carbon dioxide which is ineffective for extinguishing.

Specific Hazards Arising from the Chemical: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. Burning may produce carbon monoxide and carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency procedures: Wear appropriate protective clothing and equipment.

Environmental Precautions: Avoid release to the environment. Report releases as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up: Eliminate all ignition sources. Ventilate area. Collect spilled powder by scooping or sweeping. Do not create airborne dust. If a vacuum cleaner is used, explosion-proof equipment is required. Do not use compressed air for cleaning. Place in a container for use or disposal. If product becomes wet, surfaces will be very slippery.

Section 7. Handling and Storage

Precautions for Safe Handling: Avoid breathing dust. Avoid contact with eyes. Wash thoroughly with soap and water after handling. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Use in accordance with label directions.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, area away from excessive heat and oxidizers. Keep containers closed to prevent absorption or moisture.

Section 8. Exposure Controls / Personal Protection

Exposure Limits

Chemical	Exposure Limit
Polyacrylates	5 mg/m ³ (respirable dust), 15 mg/m ³ (total dust) TWA OSHA PEL (as PNOC)



Appropriate Engineering Controls: General ventilation should be adequate for normal use. For operations where the exposure limits may be exceeded, mechanical ventilation such as local exhaust may be needed to minimize exposure.

Respiratory Protection: None under normal use conditions with adequate ventilation. For operations where the occupational exposure limits are exceeded, a NIOSH approved respirator with particulate filter is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Hand protection: Impervious gloves such as rubber or nitrile are recommended.

Eye Protection: Chemical safety goggles recommended. .

Skin Protection: None required for normal use. Wear protective clothing if needed to avoid prolonged skin contact.

Hygiene measures: Suitable eye wash facilities should be available in the work area.

Section 9. Physical and Chemical Properties

Appearance:	White granular powder	Odor:	Odorless
Odor Threshold:	Not applicable	pH:	Approx. 6.0
Melting/Freezing Point:	Not applicable	Boiling Point/Range:	Not applicable
Flash Point:	Not flammable	Evaporation Rate:	Not determined
Flammability: (Solid, Gas)	Not flammable	Flammability Limits:	Not applicable
Vapor Pressure:	Not applicable	Vapor Density:	Not applicable
Relative Density:	0.964	Solubilities:	Insoluble in water
Partition Coefficient: (N-Octanol/Water)	Not determined	Autoignition Temperature:	Not determined
Decomposition Temperature:	Not determined	Viscosity:	Not applicable

Section 10. Stability and Reactivity

Reactivity: Not reactive at ambient temperatures.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known.

Conditions to avoid: Heat, sparks, flames and all other sources of ignition in the presence of dust.

Incompatible Materials: Avoid strong oxidizing agents.

Hazardous decomposition products: Thermal decomposition will produce carbon monoxide and carbon dioxide.

Section 11. Toxicological Information

Potential Health Effects:

Inhalation: May cause irritation of the nose, throat and upper respiratory tract.

Skin Contact: No adverse effects are expected. Polyacrylates were not irritating or sensitizing in animal studies.

Eye Contact: May cause mechanical, abrasive irritation. Polyacrylates were not irritating in animal studies.

Ingestion: No toxic effects are expected. Do not ingest. If swallowed may result in obstruction.

Chronic Hazards: A two-year lifetime inhalation study in rats with respirable (<10 micron) polyacrylate dust resulted in a non-specific inflammatory response in the lungs followed by tumor development in some rats at the highest exposure level of 0.8 mg/m³. In the absence of chronic inflammation, tumors are not expected.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

Acute Toxicity Values

Polyacrylates: LD50 Oral Rat >2000 mg/kg; LD50 Dermal Rat >2000 mg/kg

Section 12. Ecological Information

This product is not classified as harmful to the environment.

Toxicity:

Polyacrylates: LC50 brachydanio rerio >100 mg/L/96 hr; LC50 daphnia magna >100 mg/L/48 hr; EC50 Green algae >100 mg/L/72 hr

Persistence and degradability: Polyacrylates are not soluble in water and can be removed from water mechanically.

Bioaccumulative Potential: Due to the consistency of this product, dispersion into the environment is impossible.

Mobility in Soil: Not expected to be mobile in soil.

Other Adverse Effects: None known.

Section 13. Disposal Considerations

Product Disposal: Refer to product label for disposal information. Dispose in accordance with national, state/provincial and local regulations.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If recycling is not available, discard in accordance with hospital policy.



Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not Regulated			None
EU ADR/RID	None	Not Regulated			None
IMDG	None	Not Regulated			None
IATA/ICAO	None	Not Regulated			None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None identified

Section 15. Regulatory Information

U.S. Federal Regulations:

EPA SARA 311/312 Hazard Classification: Not hazardous

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Protection Of Stratospheric Ozone: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

International Inventories

US EPA TSCA Inventory: All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

Canada CEPA: All of the components of this material are listed on the DSL or exempt.



Section 16. Other Information

NFPA Rating: Fire: 2 Health: 1 Instability: 0

Effective Date: December 16, 2014

Supersedes Date: June 6, 2012

Revision Summary: All sections. Converted to GHS format

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