



MATERIAL SAFETY DATA SHEET

Section 1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Encapsulator Rx
Product Use: Liquid Acid & Caustic Absorbent
Product Type: Crossed-linked Polyamine Co-Polymer Blend
Distributor: USA Products Group P.O.Box 1750 Lodi, CA 95241
Phone: (209) 334-1460
Fax: (209) 334-0403
For Information: 602-618-0231 (8a.m.-4p.m. CMT. M-F)
Preparation Date: 15 DEC 2022

Section 2 COMPOSITION INFORMATION ON INGREDIENTS

This section is confidential. This product has been determined to be non-hazardous in accordance with 29CFR 1910.1200.

Section 3 HAZARDS IDENTIFICATION

Emergency Overview: avoid eye and skin contact.
Primary Routes of Entry: eyes, skin, ingestion, and inhalation.
Physical Hazard: fire and explosion hazard: very low risk.
Health Hazard:
Acute Exposure:
Eye: will cause eye irritation with discomfort, typical of any particulate.
Skin: brief skin contact not expected to cause difficulty. More prolonged contact may cause skin irritation in sensitive individuals.
Ingestion: in the unlikely situation of the intake of large amounts, the product may cause nausea and digestive upset. Do not induce vomiting—call a physician. LD₅₀ >10g/Kg.
Inhalation: Move to fresh air. No hazards which require special first aid measures.
Chronic Exposure:
Eye: there should be no chronic sensitivity incurred.
Skin: there should be no chronic sensitivity incurred.
Carcinogenicity Listings: NTP-None, IARC-None, OSHA-None, ACGIH-None.
Signs and Symptoms of Overexposure: reddening and/or pain.
Medical Conditions Aggravated by Exposure: may aggravate people with asthma.

Section 4 FIRST AID PROCEDURES

Eye: remove any contact lenses, lifting eyelids and immediately flush with water for at least 15 minutes. If irritation persists, contact a physician.
Skin: remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops and persists, contact a physician.
Ingestion: if swallowed do not induce vomiting. Call a physician for appropriate care.
Inhalation: no adverse effects expected under proper handling conditions. Under accidental conditions, where dust may be generated, remove to fresh air. If unconscious, apply artificial respiration and get immediate medical help.



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Section 5 FIRE AND EXPLOSION HAZARD

Flash Point and Method: n/a

Auto Ignition: n/a

Explosion Limits: n/a

Flammability Classification as Defined by OSHA: none.

Combustion Products: Thermal Decomposition may produce: Carbon oxides (Cox) Nitrogen Oxides (NOx) Hydrogen Cyanide (hydrocyanic acid) may be produces in the event of combustion in an oxygen deficient atmosphere.

Extinguishing Media: carbon dioxide, dry chemical, foam.

Unusual Fire and Explosion Hazard: may produce dense black smoke. Stay upwind from a fire.

Special Fire-Fighting Precautions: if wet, may present a slip hazard. Do not let dust accumulate in the air, as can be ignitable.

Fire-Fighting Equipment: self-contained breathing apparatus (SCBA) in any enclosed space recommended.

Section 6 ACCIDENTAL RELEASE MEASURES

Procedures for Cleanup:

Personal Precautions: Do not touch or walk through spilled material. Spills produce extremely slippery surfaces. Product swells in water.

Environmental Precautions: As with all chemical products, do not flush into surface water.

For Small Spills: Do not flush with water. Sweep up and shovel into suitable container for disposal.

For Large Spills: Do not flush with water. Sweep up and shovel into suitable container for disposal.

Residues: Flush away with large quantities of water.

Reference to other sections: Section 7: Handling and storage; Section 8: Exposure controls/personal protection; Section 9: Physical and chemical properties; Section 13: Disposal considerations.

Section 7 HANDLING AND STORAGE

Precautions for safe Handling: Avoid contact with eyes. Renders surfaces extremely slippery when wet. When using, do not eat, drink or smoke. Product swells in water.

Conditions for safe storage, including any incompatibilities: Keep in a dry place away from heat and sources of ignition. Incompatible with oxidizing agents and strong acids.



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Section 8 EXPOSURE CONTROLS

Personal Protective Equipment (PPE):

Eye/Face Protection: Safety glasses with side shields, goggles, or face shield.

Skin Protection: Work clothes protecting arms, legs, and body.

Hand Protection: PVC or other plastic material gloves.

Respiratory protection: Not required under normal use. Dust mask recommended where working powder concentration is more than 10 mg/m³

Ingestion: do not ingest.

Additional Advice: Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure controls: Do not allow uncontrolled discharge of product into the environment. Do not flush into surface water.

Exposure Limit Guidelines: no exposure limits per ACGIH, or OSHA.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: white free-flowing granules with negligible odor.

Physical State: Granular solid, White/Light Orange

Specific Gravity: 0.6 - 0.9

Solubility in Water: soluble

pH of Concentrate: 5- 8 @ 5g/L

Melting point/freezing point: >150°C.

Decomposition temperature: >150°C.

Auto ignition temperature: Does not self-ignite (based on the chemical structure)

Percent Volatile by Volume: 0

Section 10 STABILITY & REACTIVITY

Chemical Stability: stable under recommended conditions.

Possibility of Hazardous Reactions: Oxidizing agents may cause exothermic reactions.

Conditions to Avoid: liquids which might be absorbed, negating the product's efficacy.

Incompatibility: Incompatible with oxidizing agents and strong acids

Hazardous Decomposition: Thermal decomposition may produce: Carbon Oxides (COx). Nitrogen Oxides (NOx). Hydrogen Cyanide (Hydrocyanic Acid).

Hazardous Polymerizations: does not occur.



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Section 11 TOXICITY INFORMATION

<i>Acute oral toxicity</i>	LD50/oral/rat>5000mg/kg.
<i>Acute dermal toxicity</i>	LD50/dermal/rat>5000mg/kg.
<i>Acute inhalation toxicity</i>	The product is not expected to be toxic by inhalation
<i>Skin corrosion/irritation</i>	Not irritating
<i>Serious eye damage/eye irritation</i>	Slightly irritating
<i>Respiratory/skin sensitization</i>	Not expected to experience sensitization
<i>Mutagenicity</i>	This product is not expected to be mutagenic
<i>Carcinogenicity</i>	This product is not expected to be carcinogenic
<i>Reproductive toxicity</i>	This product is not expected to interfere with reproduction
<i>STOT-single exposure</i>	No known effects
<i>STOT - repeated exposure</i>	No known effects
<i>Aspiration hazard</i>	No hazards resulting from material as supplied.

Section 12 DISPOSAL CONSIDERATIONS

Toxicity

<i>Acute toxicity to fish</i>	LC50/Danio rerio/96 hours > 100mg/L
<i>Acute toxicity to invertebrates</i>	EC50/Daphnia magna/48 hours > 100mg/L
<i>Acute toxicity to algae</i>	IC50/Scenedesmus sbspicatus/72 hours > 100 mg/L
<i>Chronic toxicity to fish</i>	No data available
<i>Chronic toxicity to invertebrates</i>	No data available
<i>Toxicity to microorganisms</i>	No data available
<i>Effects on terrestrial organisms</i>	No known effects
<i>Sediment toxicity</i>	No data available

Persistence and degradability

<i>Degradation:</i>	Not readily biodegradable
<i>Hydrolysis:</i>	Does not hydrolyse
<i>Photolysis:</i>	No data available

Bio-accumulative potential

Not expected to bio-accumulate

<i>Partition co-efficient (Log Pow):</i>	-2
<i>Bio concentration factor (BCF):</i>	No data available

Special Instructions: always, consult local, State and Federal authorities for treatment, storage, transport and disposal compliance.



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Section 13 TRANSPORTATION INFORMATION

DOT Labeling: n/a
Proper Shipping Name: absorbent
Hazard Class: n/a
Identification Number: n/a

Section 14 REGULATORY INFORMATION

OSHA Compliance:

This MSDS prepared according to 29 CFR 1910.1200 and ANSI Z400.1 standard.

TSCA:

All components of this product are either listed on the inventory or are exempt from listing.

SARA Title III Superfund:

The product in its purchased form is not regulated under the SARA hazard categories according to the EPA "Hazard Categories" under section 311 and 312 of the Superfund Amendment.

CERCLA, State and Local Planning (Reportable Quantities):

Not listed

California Proposition 65 Information:

WARNING! This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm, Acrylamide

Section 15 OTHER INFORMATION

NFPA and HMIS Ratings:

NFPA:

Health	0
Fire hazard	0
Reactivity	0

HMIS:

Health	0
Flammability	0
Reactivity	0
PPE Code	B

Rating Scale. None = 0, Slight = 1, Moderate = 2, Severe, damage = 3, Extreme = 4

This SDS was prepared in accordance with the following: U.S. Code of Federal Regulations 29 CFR 1910. 1200

The information provided is based upon information from recognized vendors and data regarding blend is accurate to the extent of our capabilities to ascertain. It is current. While the information is believed to be accurate, Remedy RX / USA Products Group makes no representation as to its accuracy, nor its completeness. We advise the user to make their evaluation and determinations as to whether circumstances of usage, application of product, and disposal are safe and meet governing agency requirements. Information relates only to the product designated herein, and does not relate to any combination with any other material(s), or in any method or process.