

Material Safety Data Sheet

MagnaCryl 2510

Date of Preparation: Jan 2023

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: 2510

General Use: Cold Foil Adhesive

Manufacturer: Beacon Chemical Company., Inc. 125 South MacQuesten Parkway Mount Vernon, NY 10550

Phone: (914-699-3400) Fax: (914-699-2783) Hours 8:30am to 4:30pm Operation Emergency Phone (914-699-3400)

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	%wt or %vol.
Epoxide	Proprietary	75-95%
Polyester	Proprietary	5-25%
Photoinitiator	Proprietary	0-5%

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Epoxide	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	None estab.
Polyester	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	None estab.
Photoinitiator	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	None estab.

Section 3 - Hazards Identification

Emergency Overview

HMIS
H 2
F 1
R 0
PPE

Potential Health Effects

Primary Entry Routes: Skin, eyes, inhalation, ingestion

Inhalation: May cause mild irritation.

Eye: May cause moderate irritation, such as stinging or discomfort. Excess redness and swelling to the conjunctiva may occur.

Skin: May be mildly irritating and may cause sensitization and/or dermatitis.

Ingestion: May be moderately irritating and may cause burning sensation in the mouth and stomach, diarrhea, nausea, vomiting and/or salivation.

Carcinogenicity: IARC, NTP, and OSHA have not reviewed MagnaCryl 2510 for carcinogenicity.

Medical Conditions Aggravated by Long- Term Exposure: Preexisting eye and skin disorders may be aggravated.

Preexisting skin or lung allergies may increase the chance of developing increased allergy symptoms.

Chronic Effects: May lead to skin sensitization and/or an allergic skin reaction.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air and give oxygen if breathing is labored. Get medical attention if irritation persists.

Eye Contact: Flush eyes with large amounts of water for 15 minutes, lifting upper and lower lids to ensure thorough cleansing. Get medical attention.

Skin Contact: Flush exposed areas thoroughly with soap and water for 15-20 minutes. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes and leather goods. If irritation persists, get medical attention.

Ingestion: If individual is conscious, DO NOT INDUCE VOMITING. DO NOT attempt to give anything by mouth to a drowsy or unconscious person. Keep warm and quiet. Get prompt medical attention.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: Determine whether vomiting or stomach evacuation is necessary.

Magnacryl 2510

Section 5 - Fire-Fighting Measures

FlashPoint: >250 ° F

Flash Point Method: CC

LEL: N/A

UEL: N/A

Extinguishing Media: CO₂, alcohol foam, or dry chemical.

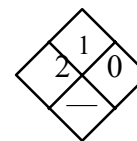
Unusual Fire or Explosion Hazards: Decomposition products may be toxic. If the material reaches high temperatures, polymerization may occur.

Hazardous Combustion Products: May be toxic.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

NFPA



Section 6 - Accidental Release Measures

Small Spills: Remove all sources of ignition. Absorb with an absorbent material and place in a container for disposal. Flush contaminated area with water.

Large Spills

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Wear appropriate protective equipment when handling material. Avoid contact with eyes, skin, & clothing.

Storage Requirements: Store in a cool, well ventilated area. Keep containers closed.

Section 8 - Exposure Controls / Personal Protection

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a OSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Boiling Point: >325°F

Appearance and Odor: liquid with pungent odor

Vapor Pressure: N/D

Specific Gravity (H₂O=1, at 4 °C): N/A

Section 10 - Stability and Reactivity

Stability: MagnaCryl 2510 stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization can not occur.

Chemical Incompatibilities: Strong oxidizers, caustics, amines, bases, and acids.

Conditions to Avoid: High temperatures and open flames.

MagnaCryl 2510

Hazardous Decomposition Products: Thermal oxidative decomposition of MagnaCryl 2510 can produce oxides of oxygen and carbon, and aldehydes. Above 500°F, aldehydes, acids and other organic substances may form.

Section 11- Toxicological Information

Toxicity Data:

Eye Effects: Moderate irritation

Skin Effects: Moderate skin irritation or chemical burns.

Acute Oral Effects:

Rat, oral, LD50: 2 g/kg

Acute Oral Effects(LD50)(Rat): >5,000 mg/kg

Acute Dermal Toxicity (LD50)(Rabbit): >6000 mg/kg

Chronic Effects: Skin: No treatment related effects.

Carcinogenicity: Not a known carcinogen.

Mutagenicity: In Vitro Ames test was positive. In vivo, rat cytogenetics was positive and mouse dominant lethal showed positive and negative.

Section 12 - Ecological Information

Ecotoxicity: Harmful to aquatic life in low concentrations. May be dangerous if it enters water intakes. Notify local health and wildlife officials.

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements: None

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Adhesive

Shipping Symbols: Not Regulated

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112 Not listed

CERCLA Reportable Quantity (RQ), Not listed

SARA 311/312 Codes: None

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29CFR 1910.) None

Section 16 - Other Information

Prepared By: David Meshirer

Additional Hazard Rating Systems:

California Proposition 65: This product does not contain any substance(s) known to the state of California to cause reproductive harm or cancer.

Disclaimer: The information given and the recommendations made herein apply to our product(s) alone and not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.