

Material Safety Data Sheet

MagnaGrip Part A

MSDS No. 2000

Date of Preparation: 02//14

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Magna Grip Part A**General Use:** Adhesive**Manufacturer:** Beacon Chemical Company., Inc. 125 South MacQuesten Parkway Mount Vernon, NY 10550

Phone: (914-699-3400) Fax: (914-699-2783) Hours 9 to 5 Operation

Chemtrec Emergency Phone (800) 424-9300.

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	%wt or %vol
Epoxy resin	Proprietary	<90%
Epoxy Diluent	Proprietary	<20%
Cobalt	7440-48-4	<5%
Cobalt Compound	Proprietary	<5%

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Epoxy resin	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Epoxy Diluent	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Cobalt	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.
Cobalt Compound	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.

Section 3 - Hazards Identification

Emergency Overview

HMIS
H 3
F 1
R 1
PPE

Potential Health Effects

Primary Entry Routes: Skin, eyes, inhalation, ingestion**Target Organs:** Lungs**Inhalation:** May cause lung injury, nasal irritation, and/or central nervous system depression. May effect the mucous lining of the nose and lungs.**Eye:** May cause moderate irritation, lesions and/or temporary corneal damage.**Skin:** May be corrosive to skin and may cause sensitization, chemical burns, lesions and/or moderate irritation.**Ingestion:** May be moderately irritating.**Carcinogenicity:** IARC, NTP, and OSHA have not reviewed MagnaTac 777 Part A 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 respiratory disease may also be aggravated by exposure.**Chronic Effects:**

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 until all chemical is removed. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes and leather goods. If irritation persists, get medical attention.**Ingestion:** If individual is conscious, give milk or water to dilute stomach contents. 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.

Section 5 - Fire-Fighting Measures

Flash Point: >200 °F**Flash Point Method:** CC**Autoignition Temperature:** N/A**LEL:** N/A**UEL:** N/A**Extinguishing Media:** CO₂, alcohol foam, dry chemical, water spray or fog.**Unusual Fire or Explosion Hazards:** Decomposition products may be toxic. If the material reaches 500°F, 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.

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.**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, and clothing.**Storage Requirements:** Store in a cool, well ventilated area. Keep containers closed.**Regulatory Requirements:** N/A

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:**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.**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: Heavy Liquid**Appearance and Odor:** Red viscous liquid**Odor Threshold:** N/A**Vapor Pressure:** 3 mm Hg at 77 °F**Vapor Density (Air=1):** 4.5**Boiling Point:** >325°F**Freezing/Melting Point:** N/A**Specific Gravity (H₂O=1, at 4 °C):** 1.2**% VOC:** nil

Section 10 - Stability and Reactivity

Stability: Magnatac 777 Part A stable at room temperature in closed containers under normal storage and handling conditions.**Polymerization:** Hazardous polymerization cannot occur.**Chemical Incompatibilities:** Strong oxidizers, caustics, bases and acids.

Conditions to Avoid: High temperatures and open flames.

Hazardous Decomposition Products: Thermal oxidative decomposition of Magnatac 777 Part A can produce oxides of oxygen 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: Severe skin irritation or chemical burns. This material is considered a dermal toxicant.

Acute Oral Effects:

Rat, oral, LD₅₀: 2 g/kg

Acute Inhalation Effects:

Mouse: >3500 ppm for 4 hour exposure Rat: 1030 ppm for 8 hour exposure. Rat: 28 day study at concentrations of 0.5 and 1.0 mg/L, noel was 0.1 mg/L

Chronic Effects:

Carcinogenicity: May be carcinogenic.

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

Section 12 - Ecological Information

Ecotoxicity: N/A

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Adhesive

Shipping Symbols: Not Regulated

Section 15 - Regulatory Information

Toxic Substances Control Act (TSCA)

TSCA INVENTORY STATUS: All chemical components are listed in the TSCA inventory.

OTHER TSCA ISSUES: None.

SARA Title III/CERCLA

"Reportable Quantities" (RQ's) and/or "Threshold Planning Quantities" (TPQ's) exist for the following ingredients:

<u>Ingredient Name</u>	<u>SARA/CERCLA RQ (lb)</u>	<u>SARA EHS TPQ (lb)</u>
None		

SECTION 311 HAZARD CLASS: None

The following ingredients are SARA 313 "Toxic Chemicals", CAS Numbers and weight percents are found in Section II.

<u>Ingredient Name</u>	<u>Comment</u>
None	

STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section II, the following are listed for state right-to-know purposes.

<u>Ingredient Name</u>	<u>Weight %</u>	<u>Comment</u>
None		

ADDITIONAL REGULATORY INFORMATION:

CALIFORNIA PROPOSITION 65: This product contains the following substance(s) known by the state of California to cause cancer and reproductive harm.

Epichlorohydrin

WHMIS CLASSIFICATION (CANADA): N/A

FOREIGN INVENTORY STATUS: N/A

Section 16 - Other Information

Prepared By: Pete Ryan

California Proposition 65: This product contains the following substance(s) known by the state of California to cause cancer or reproductive harm.

Epichlorohydrin