

## **MATERIAL SAFETY DATA SHEET**

MADEWELL PRODUCTS CORPORATION  
7561-A INDUSTRIAL COURT  
ALPHARETTA, GA 30004

TELEPHONE: (770) 475-8199  
EMERGENCY: PERS  
1-800-633-8253

### **SECTION 1 – IDENTITY INFORMATION**

**PRODUCT NAME:** MAINSTAY DS-5 COMPONENT A

**CHEMICAL FAMILY:** Epoxy Amine (solvent free)

**SUPPLIER:** Madewell Products Corporation

### **SECTION 2 – HAZARDOUS IDENTIFICATION**

**Classification:** Skin and Eye irritant. Dangerous for the environment.

**Skin Contact:** May be irritation to skin upon prolonged or repeated contact: may cause sensitization by skin contact.

**Eye contact:** May cause irritation.

**Inhalation:** No adverse effects expected due to the physical properties of the material.

This products is classified as hazardous as defined with the OSHA Hazard Communication Standard 29CFR1910.1200.

### **SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	%	CAS #	LD50	ACGIH TLV	OSHA PEL
Bisphenol 'A'/Epichlorohydrin based epoxy	30-50	25068-38-6	11.4g/kg rat oral		
Aliphatic Glycidyl Ether	5-7	68609-96-1	No data available		
Talc	15-20	14807-96-6	No data available 2		2(mg/m3 as Resp Dust
Quartz	30-50	14808-60-7	No data available 0.1		0.1(mg/m3 as Resp Dust
Amorphous Silica	1-3	7631-86-9	No data Available 10		6 (mg.m3 as Resp. Dust)

### **SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES**

**Eye Contact:** Immediately flush with large amounts of water for 15 minutes.

Immediately seek medical help.

**Skin Contact:** Wash thoroughly with soap and water or waterless hand cleaner. Remove contaminated clothing. Wash all contaminated clothing before reuse.

**Inhalation:** Remove victim to fresh air. Immediately seek medical help.

**Ingestion:** Drink water, induce vomiting by sticking finger down throat. Immediately seek medical assistance. DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## **SECTION 5 – FIRE FIGHTING MEASURES**

**Flammability Classification:** Not flammable

**Flash Point:** >200 C

Upper and lower flammable limits not established for the product

**Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide.

**Unusual Fire and Explosion Hazards:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces require special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Special Fire Fighting Procedures:** When heated vapours/decomposition products may be released forming flammable/explosive mixtures in air. Closed containers may explode when exposed to extreme heat.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Isolate area; keep unnecessary and unprotected personnel from entering the involved area; avoid contact with skin, eyes, and clothing.

**Environmental Precautions:** Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches, waterways by using sand, earth or appropriate barriers.

**Methods for Cleaning Up:** Soak up with inert absorbent material, collect into closeable labeled containers and dispose of in accordance with applicable local and federal environmental control regulations.

## **SECTION 7 - HANDLING AND STORAGE**

**Handling:** Observe good personal hygiene practices and recommended procedures. Avoid prolonged or repeated breathing of vapors, mists or fumes. Avoid prolonged or repeated contact with skin and eyes.

**Storage:** Store in a cool, dry place with adequate ventilation. Keep away from open flames.

## **SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Eye Protection:** Industrial safety glasses as necessary to comply with 29 CFR 1910.133 as dictated by work area conditions.

**Skin Protection:** Impervious coveralls, rubber safety boots, cap and rubber gloves. Apply barrier cream to exposed areas of face.

**Respiratory Protection:** Full face piece respiratory units required when spraying this material, combination filter/organic vapor cartridges or canisters may be used. TVL (PEL) use NIOSH/OSHA self contained breathing apparatus.

**Engineering Controls:** Provide sufficient ventilation through local exhaust.

### **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE	VISCOUS LIQUID
SPECIFIC GRAVITY	1.594 AT 20 C
BOILING POINT	200 C
VAPOR PRESSURE	<0.001mmHg@ 32 C
ODOUR	SLIGHT ETHEREAL ODOUR
DECOMPOSITION TEMP.	>200 C
% VOLATILE	LESS THAN 0.5% AT 70F
SOLUBILITY IN WATER	INSOLUBLE
STABILITY	STABLE
HAZ. POLYMERIZATION	WILL NOT OCCUR

### **SECTION 10 - STABILITY AND REACTIVITY**

**Stability:** Stable at ambient temperatures

**Conditions to Avoid:** Elevated temperatures

**Materials to Avoid:** Strong oxidizing agents

**Hazardous Decomposition Products:** UBy Fire: carbon monoxide, aldehydes

**Hazardous Polymerization** Will not occur.

### **SECTION 11 - TOXICOLOGICAL INFORMATION**

**Acute Oral Toxicity:** LD50(rat) 11.4g/kg

**Acute Dermal Toxicity:** LD50(rabbit): 20,000 mg/kg

### **SECTION 12 - ECOLOGICAL INFORMATION**

**Bioegradability:** Not readily biodegradable; moderate potential to bioconcentrate.

**Ecotoxicity Effects:** Data for this type product indicate that the material is moderately toxic to aquatic organisms on an acute basis where the LC50 for the most sensitive species is 1-10 mg/L; however, the toxicity to aquatic species occurs at concentrations greater than the water solubility of the material.

### **SECTION 13 - DISPOSAL CONSIDERATIONS**

**Disposal:** Do not dump to ground, sewers or watercourses. All methods of disposal must be in compliance with all applicable federal, state and local laws/regulations: regulations may vary in different locations Waste characterization and compliance with applicable laws are the responsibility solely of the generator.

**Container Disposal:** Containers should be drained of all residual products prior to disposal.

**SECTION 14 - TRANSPORT INFORMATION**

**DOT:** Not regulated.  
**IMDG:** Not regulated.  
**IATA:** Not regulated.

**SECTION 15 - REGULATORY INFORMATION**

**SARA Title III Section 311/312 (40CFR370):** Acute health hazard.  
**SARA Title III Section 313 (40CFR372):** No Reportable Components.  
**CERCLA Status (40CFR302):** No reportable Quantity components.  
**TSCA Inventory Status:** Reported/included  
**Canadian DSL Status:** Reported/included  
**Canadian WHMIS Classification:** D2B (eye or skin irritant; skin sensitizer)  
**OSHA/NTP/IARC Carcinogen Status:** Not listed.  
**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:** None known to be in the products at levels requiring a warning.  
**Risk phrases:** R36/38 Irritating to eyes and skin  
R43 May cause sensitization by skin contact  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment.  
**Safety phrases:** S2 Keep out of the reach of children  
S28 After contact with skin, wash immediately with plenty of water  
S37/39 Wear Suitable gloves and eye/face protection  
S61 Avoid release to the environment: refer to special instructions/sds  
**Hazard Symbols:** Xi Irritant, N Dangerous for the Environment

**SECTION 16 - OTHER INFORMATION**

**HMIS Ratings:**     **Health:**             **2**  
                          **Flammability**       **1**  
                          **Reactivity:**           **0**

(Personal protective equipment selection is best assigned by the user after performing a hazard assessment on the product as it is to be used in the specific work process.)

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