

MATERIAL SAFETY DATA SHEET

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SECTION 1 – IDENTITY INFORMATION

PRODUCT NAME: MAINSTAY DS-5 COMPONENT B
CHEMICAL FAMILY: Curing Agent
SUPPLIER: Madewell Products Corporation

SECTION 2 – HAZARDOUS IDENTIFICATION

Classification: Corrosive. Skin, Eye and mucous membrane irritant.

Skin Contact: May cause dryness and skin irritations which when accentuated by sunlight may result in photo toxic skin reaction. Repeated contact may cause more serious skin disorders.

Eye contact: Exposure to vapor from heated material may cause corneal changes.

Inhalation: Exposure to vapor from heated material may cause respiratory track irritation, nausea and vomiting. Prolonged contact whti high concentrations may result in respiratory difficulties, central nervous system effects and possible cardiovascular collapse.

Ingestion: May cause gastrointestinal disturbances including irritation, nausea, vomiting, abdominal pain and in extreme cases cardiovascular involvement.

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
Isophorone Diamine	5-10	2855-13-2	>0.5g/kg rat oral		
Aliphatic Amine	5-10	6860-90-85	>0.5g/kg rat oral		
Polyoxypropylenediamine	10-20	9046-10-0	2.8g/kg rat oral		
Titanium Dioxide	15-30	13463-67-7	no data available	10mg/m3 Dust Resp Fraction	15 mg/m3 as Dust Resp Fraction
Quartz	25-40	14808-60-7	no data available	.1 mg/m3 as Resp Dust	.1 mg/m3 as Resp Dust
Amorphous Silica	0.5-5	7631-86-9	no data available	10mg/m3 as resp dust	6mg/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 F

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: Wear complete fire service protective equipment, including full-face OSHA/NIOSH approved self contained breathing apparatus. Use water to cool fire exposed container. Toxic vapors may be given off in a fire.

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	1.655 at 20 C
BOILING POINT	195 F (90.5 C)
VAPOR PRESSURE	Less Than 5 mmHg@ 77 C
ODOUR	SHARP AMMONIACALE ODOUR
DECOMPOSITION TEMP.	>400 F (200 C)
% VOLATILE	LESS THAN 0.5% AT 70F
SOLUBILITY IN WATER	>10%

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures

Conditions to Avoid: Elevated temperatures

Materials to Avoid: Acids, bases, oxidizing materials

Hazardous Decomposition Products:By fire: carbon monoxide, phenols aniline & aldehydes.

Hazardous Polymerization Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity Data for component Benzyl Alcohol:

Acute Oral Toxicity: LD50(rat) 1230-3100 mg/kg

LD50(rabbit) 1940 mg/kg

LD50(mouse) 1580 mg/kg

Acute Inhalation Toxicity: LC50(rat): 200-300 mg/ (8 hr)

SECTION 12 - ECOLOGICAL INFORMATION

Biodegradability: Not readily biodegradable; moderate potential to bioconcentrate.

Ecotoxicity Effects: No data available.

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: Corrosive Liquid N.O.S. (contains polyoxypropylene diamine and modified amine), Hazard Class 8, Packaging Group III, UN 1760, Emergency Response Guide #60

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

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
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects to the aquatic environment.
R34 Causes burns
420/21/22 Harmful by inhalation, in contact with skin and if swallowed

Safety phrases: S2 Keep out of the reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39 Wear Suitable protective clothing, gloves and eye/face protection
S456 In case of accident, or if you feel unwell, seek medical advice immediately (show the label where possible)
S61 Avoid release to the environment: refer to special instructions/sds

Hazard Symbols: C Corrosive:Xi Irritant

SECTION 16 - OTHER INFORMATION

HMIS Ratings:	Health:	3
	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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