

# SAFETY DATA SHEET

## SECTION 1: Identification

Trade Name: MAINSTAY DS-4 Part B

Emergency phone

Supplier and manufacturer:  
MADEWELL PRODUCTS CORPORATION  
7561 INDUSTRIAL COURT  
ALPHARETTA GA 30004  
PHONE: 770-475-8199  
FAX: 770-475-8167

PERS 800-633-8253

## SECTION 2: Hazard(s) Identification

### GHS Ratings:

Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity $\geq 3$ , Iritis > 1.5
Mutagen	1B	Known to produce heritable mutations in human germ cells Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1B	Presumed, Based on experimental animals

### GHS Hazards

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see instructions on this label)
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P308+P313  
P405  
P501

IF exposed or concerned: Get medical advice/attention  
Store locked up  
Dispose of contents/container to ...

**Signal Word: Danger**



### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
QUARTZ	14808-60-7	50.00% - 60.00%
COAL TAR PITCH, HIGH TEMP	65996-93-2	20.00% - 30.00%
BENZYL ALCOHOL	100-51-6	5.00% - 10.00%
FURFURYL ALCOHOL	98-00-0	1.00% - 5.00%
BENZENE-1,3-DIMETHANEAMINE (MXDA)	1477-55-0	1.00% - 5.00%
4,4' - METHYLENEBIS(CYCLOHEXYLAMINE)	1761-71-3	1.00% - 5.00%

### SECTION 4: First Aid Measures

**Inhalation:** Move person to fresh air. Get medical attention if symptoms develop.

**Eye contact:** Bathe the eye with running water for at least 15 minutes, lifting upper and lower eyelids. Get medical attention if symptoms persist.

**Skin contact:** Drench the affected area immediately with plenty of water, remove contaminated clothing. Wash thoroughly with soap and water for at least 15 minutes. Seek medical attention if irritation, rash, or other adverse effects occur.

**Ingestion:** Drink water, induce vomiting by sticking finger down throat. See medical assistance.

**Most important symptoms and effects, both acute and delayed**

Skin irritation, allergic reactions.

### SECTION 5: Fire Fighting Measures

Flash Point: N/A

LEL: 2.0%

UEL: 16.0%

**Extinguishing media:** Carbon dioxide, alcohol resistant foam, dry chemical, water fog; use water spray to cool fire-exposed containers. Do not use direct water stream which may spread fire.

**Unusual fire/ expl. hazards:** Exposure to decomposition products may be harmful to health; combustion products may include but are not limited to: carbon monoxide, carbon dioxide, phenolics; smoke may contain particles of the original material as well. Prevent fire-fighting waters from entering sewer or waterways.

**Fire equipment:** Use protective fire fighting clothing and positive pressure self-contained breathing apparatus to protect against potential harmful and/or irritating fumes. Do not use high volume water jet as this may spread the area of the fire.

### SECTION 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

Isolate area; ensure adequate ventilation; use appropriate personal protection equipment; avoid breathing mist, vapors, spray; avoid contact with skin, eyes and clothing; keep unnecessary and unprotected personnel from entering the involved area.

**Environment precautions;**

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

**Method and material for containment and cleaning up**

Absorb with sand, diatomaceous earth or universal binders and collect into suitable disposal container. Dispose of in accordance with

applicable local and federal environmental control laws and regulations.

### SECTION 7: Handling and Storage

#### Precautions for safe handling

Ensure adequate ventilation of workplace and storage areas; avoid skin contact; do not breathe mist, vapors, spray; use recommended personal protective equipment; wash thoroughly after handling. Do not eat, drink or smoke in the work area. Never apply a direct flame to any container of product.

#### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place. Keep away from incompatible materials. Keep container tightly closed. Recommended storage temperature: 10-35C (50-95F)

### SECTION 8: Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
QUARTZ 14808-60-7	.1MG/M3	.025MG/M3 RESPIRABLE FRACTION	Not Established
COAL TAR PITCH, HIGH TEMP 65996-93-2	0.2MG/M3	0.2 MG/M3	Not Established
BENZYL ALCOHOL 100-51-6	Not Established	Not Established	Not Established
FURFURYL ALCOHOL 98-00-0	Not Established	Not Established	Not Established
BENZENE-1,3- DIMETHANEAMINE (MXDA) 1477-55-0	Not Established	Not Established	Not Established
4,4' - METHYLENEBIS (CYCLOHEXYLAMINE) 1761-71-3	Not Established	Not Established	Not Established

Occupational exposure limits: OSHA/PEL: None established.

Ensure adequate ventilation through local exhaust.

Follow good industrial workplace practices; do not eat, drink or smoke while handling; wash hands before breaks and at end of workshift, follow recommendations in this SDS.

#### Eye/face protection

Use safety glasses with side shields.

#### Skin protection

Wear impervious clothing as necessary to protect against product contact. Necessity for boots, apron, face shield, etc. will be dependent on any hazards presented in the work process.

#### Respiratory protection

Although no exposure limits have been established, respiratory protection may be of use if any respiratory irritation or discomfort is noted; if the material is processed at elevated temperatures without adequate ventilation it may be necessary to wear an air-purifying respirator with organic vapor cartridge; respirator use should follow the guidelines of an established respiratory protection program in compliance with 29CFR1910.134.

#### Hand protection

Wear nitrile rubber, nitrile, neoprene, PVC or other suitable impervious gloves. Gloves selected must have a breakthrough rating appropriate for the work shift.

#### Other protective equipment

The type and degree of personal protective equipment appropriate will depend on the specific work operation. Eye wash stations and

emergency showers should be available.

## SECTION 9: Physical and Chemical Properties

**Physical state:** Viscous liquid  
**Initial Boiling Point:** >400F (200C)  
**Melting Point:** Not applicable  
**Type of Odor:** sharp ammoniacale odor  
**Odor Threshold:** Not determined  
**Flammability Classification:** Combustible IIIB  
**Flash Point:** 252C (486F) (PMCC)  
**Vapor Pressure:** <5 mmHg@32C  
**Vapor Density:** >1  
**Evaporation Rate:** <1  
**Decomposition Temperature:** >200C  
**Solubility in Water:** >1%  
**pH:** Approximately neutral (1:1 in water)  
**Octanol/Water Partition Coefficient (log Pow):** 3  
**Autoignition Temperature:** >300C (>572F)  
**Specific Gravity:** 1.394 @ 20C  
**Viscosity:**

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction is known under normal use and storage conditions.

**Stability:** Stable under normal use and storage conditions.

**Possibility of hazardous reactions:**

**Conditions to avoid:** Elevated temperatures

**Materials to avoid:** Acids, bases, oxidizing agents

**Hazardous decomposition products:** By fire: carbon monoxide, aldehydes

## SECTION 11: Toxicological Information

### Mixture Toxicity

### Component Toxicity

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

**Skin Corrosion/irritation (rabbit):** Causes slight skin irritation

**Serious Eye Damage eye Irritation (rabbit):** Causes serious eye irritation; corneal injury is not likely.

**Skin:** Causes mild skin irritation; may cause sensitization; once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Eyes:** Causes serious eye irritation; pain, irritation, watering, redness.

**Ingestion:** Low toxicity; incidental ingestion of small amounts not anticipated to be harmful.

**Inhalation:** Low volatility; not expected to be a significant route of exposure.

**Specific Target Organ Toxicity - single exposure (STOT-se):** Not classified based on available data.

**Specific Target Organ Toxicity - repeated exposure (STOT-re):** Not classified based on available data.

### Effects of Overexposure

**Carcinogenicity:** This product contains coal tar pitch. Volume 35 of the IARC monographs state that there is sufficient evidence that coal tar pitches are carcinogenic in humans.

Potential Chronic Health Effects: 90 day (rat) Repeated Dose Oral Toxicity Study NOAEL: 50 mg/kg

## SECTION 12 - ECOLOGICAL INFORMATION

### Acute/prolonged toxicity to aquatic plants

No data available

### Toxicity of bacteria, to soil dwelling organisms and to terrestrial plants

No Data available

### Chronic toxicity to aquatic organisms

No data available

### Persistence and degradability

Not readily biodegradable; moderate potential to bioconcentrate.

## Component Ecotoxicity

## SECTION 13 - DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal:** Do not dump to ground, sewers or watercourses. Reuse uncontaminated material when possible. All methods of disposal must be in compliance with all applicable federal, state and local environmental control laws and regulations. Waste characterization according to RCRA guidelines and compliance with applicable laws are the responsibility solely of the waste generator.

**Container disposal:** Containers should be drained of all residual product prior to disposal; empty/clean containers should be recycled; incinerate or landfill when recycling is not feasible.

## SECTION 14 - TRANSPORT INFORMATION

### Shipping description

DOT: Not regulated as hazardous for transport

Classification of the material for transportation purposes may vary by container volume as well as regional or country variations in regulations.

## SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Title III Section 311/312 (40CFR370): Acute health hazard

SARA Title III Section 313 (40CFR372): No reportable components

CERCLA Statute (40CFR302): No reportable quantity components

TSCA Inventory Status: Reported/included

### EU Risk Phrases

### Safety Phrase

## 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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Reviewer Revision

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