

McGill AirSeal LLC
MATERIAL SAFETY DATA SHEET

MSDS Name: UNI-EXTREME
Revision Date: July 1, 2010
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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: UNI-EXTREME
CAS Number: none
HMIS Hazard Rating: Health: 1 Fire: 0 Reactivity: 0
Company Identification: McGill AirSeal LLC
2400 Fairwood Avenue
Columbus, Ohio 43207
Contact: McGill AirSeal LLC
Telephone: (800) 624-5535 (614) 829-1200
Fax: (614) 829-1488
Chemtrec (24 hour): (800) 424-9300
Chemtrec International: (703) 527-3887
Product Class: aluminosilicate dispersed in water
Product Use: sealant
Product Code: 009000

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Percent
Ceramics (Refractory)		50-70%
Water-Based Colloid (Refractory)		20-30%
Water		10-20%

OSHA PELs and ACGIH TLVs are listed in Section 8 where applicable.

SECTION 3 – HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Material is a gray mastic that is slippery in the wet state.

ROUTES OF ENTRY:

Inhalation: yes
Ingestion: yes
Skin: yes
Eye: yes

INHALATION:

May be irritating to upper respiratory tract.

INGESTION:

Ingestion is not a probable route of exposure. Harmful if swallowed.

SKIN:

Prolonged or repeated skin contact can cause irritation.

EYE:

Mildly irritating to eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Under conditions of normal use chronic affects are not expected. Possible aggravation of pre-existing skin conditions.

CARCINOGENICITY:

IARC: no
NTP: no
OSHA: no

REPRODUCTIVE TOXICITY:

This product has not been evaluated for reproductive toxicity.

TARGET ORGANS:

eyes and skin

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SECTION 4 - FIRST AID MEASURES

INHALATION:

Remove to fresh air. If difficulty persists, seek medical attention.

INGESTION:

Call poison control center immediately. Follow their specific instruction. Do not induce vomiting.

SKIN:

Wash with soap and water. Contact physician if irritation develops or persists.

EYE:

Hold eyelids apart and flush with plenty of water for at least 15 minutes. Seek medical attention.

SECTION 5 - FIRE-FIGHTING MEASURES

Flammability Class (OSHA): III B
Flash Point: > 200°F
Setaflash
Explosive Range: Not applicable

EXTINGUISHING MEDIA:

Use alcohol foam, carbon dioxide, water spray, or ABC dry chemical when fighting fires involving this product.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon may be released during combustion.

FIRE FIGHTING MEASURES:

Wear a NIOSH approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES:

Use inert absorbent to dike the spill. Keep away from drains.

CLEAN-UP:

Spread absorbent over material and scrape up material/absorbent and place in an approved container. If product has dried, scrape up and place in an approved container.

EMERGENCY MEASURES:

Isolate hazard area. Keep unnecessary and unprotected personnel from entering area. Wear all appropriate personal protection equipment (PPE) (see Section 8).

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Wash thoroughly after handling. Avoid prolonged or repeated contact with skin.

STORAGE:

Keep from freezing.

PRECAUTIONARY STATEMENT:

Keep out of the reach of children.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH TLV ACGIH TLV-C ACGIH STEL OSHA STEL OSHA PEL

ENGINEERING CONTROLS

Use local exhaust as needed to maintain occupational exposure limits.

OTHER:

Facilities storing or utilizing any chemical should be equipped with an eyewash facility and a safety shower.

RESPIRATORY PROTECTION:

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Respiratory protection is not expected to be necessary under normal use. Follow requirements for respiratory protection in OSHA 1910.134.

EYE PROTECTION:

Chemical splash goggles (ANSI Z87.1 or approved equivalent).

SKIN PROTECTION:

Where skin contact can occur, wear impervious gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form: creamy paste
Appearance/Color: gray
Odor: none
Solubility (in water): soluble
pH Value: 7.5
Boiling range/Point: 212°F
Evaporation Rate: slower than n-Butyl Acetate
% Volatile: 30.0 %
Specific Gravity: 1.3
VOC: 0.0 g/l

SECTION 10 – STABILITY AND REACTIVITY

Stability: This product is stable.
Hazardous polymerization: Hazardous polymerization will not occur.

CONDITIONS TO AVOID:

Strong acids and strong bases

INCOMPATIBILITY:

Easily oxidizable materials

PRECAUTIONS TO BE TAKEN DURING FIRST EXPOSURE TO HEAT:

The first exposure to heat (500°F to 1,000°F) will burn off trace temporary organic binders. Carbon monoxide, carbon dioxide, oxides of nitrogen, reactive hydrocarbons, and a small amount of formaldehyde may accompany binder burn off. Use adequate ventilation or other precautions to eliminate vapors. Burn-off fumes may cause respiratory tract irritation.

PRECAUTIONS TO BE TAKEN DURING REMOVAL AND AFTER USE:

The aluminosilicate in the product could transform to mullet and cristobalite (a form of crystalline silica) upon heating. Removal of this product after use could generate dust. Repeated inhalation of respirable free crystalline silica dust may cause delayed lung injury (silicosis).

SECTION 11 – TOXICOLOGICAL INFORMATION

This formulation has a low odor of acute and chronic toxicity by all routes of exposure. Prolonged or repeated exposure may cause skin irritation. Direct contact may cause eye irritation.

Exposure to any chemical substance, including those with a low order of toxicity, should be controlled and minimized to avoid harmful effects.

SECTION 12 – ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Disposal of this product must comply with all applicable federal, state, and local regulations.

CONTAINER DISPOSAL

Disposal of this container should comply with all applicable federal, state, and local regulations.

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SECTION 14 – TRANSPORT INFORMATION

UN Number: None
UN Pack Group: Not applicable
UN Class: Nonhazardous
ICAO/IATA Class: Nonhazardous
IMDG Class: Nonhazardous
Shipping Name: Nonhazardous

Packaging may not be approved for shipping by air. Please contact McGill Airseal for further information.

SECTION 15 – REGULATORY INFORMATION

TSCA (Toxic Substances Control Act Inventory):

All components of this product are listed on the TSCA inventory except as exempted.

SECTION 16 – OTHER INFORMATION

DISCLAIMER:

While the information and recommendations set forth herein are believed to be accurate as of the data hereof, McGill Airseal LLC makes no warranty, express or implied, with respect thereto and disclaims all liability from reliance thereon.