

McGill AirSeal LLC  
MATERIAL SAFETY DATA SHEET

MSDS Name: Uni-Seal Duct Sealer  
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**SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Uni-Seal Duct Sealer  
CAS Number: none  
HMIS Hazard Rating: Health: 2 Fire: 3 Reactivity: 0  
Company Identification: McGill AirSeal LLC  
2400 Fairwood Avenue  
Columbus, Ohio 43207  
Contact: McGill AirSeal LLC  
Telephone: (800) 624-5535 (614) 443-5520  
Fax: (614) 542-2620  
Chemtrec (24 hour): (800) 424-9300  
Chemtrec International: (703) 527-3887  
Product Class: solvent mastic  
Product Use: duct sealer  
Product Code: 3164

**SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS**

Hazardous Ingredients	CAS Number	Percent
hexane	110-54-3	27.30

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

**SECTION 3 – HAZARD IDENTIFICATION**

**NOTE:**

Repeated and prolonged overexposure to the mixture of solvent(s) listed in Section 2 can result in systemic effects including permanent brain, nervous system, liver, and kidney damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**EMERGENCY OVERVIEW:**

Product is beige, medium viscosity mastic with a strong solvent odor.

**DANGER: EXTREMELY FLAMMABLE, VAPOR HARMFUL. CONTAINS HEXANE.** Vapors can cause flash fire. Vapors may ignite explosively. Prevent buildup of vapors by opening all windows and doors to create cross-ventilation. Keep away from heat, sparks and open flame. Do not smoke. Extinguish all flames and pilot lights. Turn off stoves, heaters and sparking electric motors. Keep away from all sources of ignition until all vapors are gone. Keep container tightly closed when not in use. Avoid prolonged breathing of vapor. **KEEP OUT OF THE REACH OF CHILDREN.**

**ROUTES OF ENTRY:**

Ingestion: Yes  
Inhalation: Yes  
Skin: Yes  
Eye: Yes

**INHALATION:**

Avoid breathing vapors or mist. May cause headache and dizziness. High vapor concentrations are irritating to the nose, throat and lungs and can cause systemic effects. Vapors can readily accumulate in confined or poorly ventilated areas.

**INGESTION:**

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

**SKIN:**

Prolonged or repeated skin contact can cause irritation.

**EYE:**

Substance may cause severe eye irritation.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Preexisting neurological conditions, skin disorders, and respiratory disease.

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**CARCINOGENICITY:**

IARC: No  
NTP: No  
OSHA: No

**TARGET ORGANS:**

Prolonged or repeated overexposure may cause eye, skin, respiratory system, central nervous system, and peripheral nervous system damage.

**SECTION 4 – FIRST AID MEASURES**

Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias (irregular beating) in persons exposed to high concentrations of hexane (e.g. in enclosed spaces or with deliberate abuse). If used, monitor heart action closely. Consider use of other drugs with less arrhythmogenic potential.

**INHALATION:**

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

**INGESTION:**

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

**SKIN:**

Wash with soap and water. Contact a 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): IB  
Flash Point: < 0°F  
Setaflash  
Explosive Range: Lower explosive limit 1.2%  
Upper explosive limit 7.5%

Vapors can travel back to the source of ignition. Flammable liquid. Can form explosive mixtures at temperatures at or above the flashpoint.

**EXTINGUISHING MEDIA:**

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

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon monoxide may be released during combustion.

**FIRE FIGHTING PROCEDURES:**

Can burn in a fire, releasing toxic vapors. 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:**

If possible pump liquid into an approved container or spread absorbent over spills and shovel (use non-sparking equipment) product/absorbent mixture into 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:**

Open container in well ventilated area. Use only in well-ventilated area. Follow all MSDS/label precautions even after container is emptied. Containers may retain residues and vapors. Avoid prolonged or repeated contact with the skin.

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**STORAGE:**

Keep away from sources of ignition. Do not store above 110°F. Store large quantities in buildings designed and protected for storage of NFPA Class 1-B flammable materials.

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
hexane	50.00 ppm	Not established	Not established	Not established	500.00 ppm

**ENGINEERING CONTROLS:**

Use local exhaust as needed to maintain occupational exposure limits. Maintain standard plant ventilation.

**OTHER:**

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

**RESPIRATORY PROTECTION:**

Where exposure limits may be exceeded select a NIOSH approved respirator with appropriate Protection Factor and cartridge for the specific contaminants. 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: mastic  
Appearance/Color: beige  
Odor: mild hexane solvent  
Solubility (in water): nil  
pH Value: not applicable  
Boiling range/Point: 156°F  
Evaporation Rate: faster than n-Butyl Acetate  
% Volatile: 27.3%  
Specific Gravity: 1.12  
VOC: 322 g/l

**SECTION 10 – STABILITY AND REACTIVITY**

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

**CONDITIONS TO AVOID:**

Heat, sparks, open flames

**INCOMPATIBILITY:**

Strong oxidizing agents, acids and bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Not applicable.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Hexane – Acute:

Ingestion of hexane can cause nausea, vomiting, stomach pain, and diarrhea. Hexane can irritate the skin and eyes. Acutely, the most common toxic effects are central nervous system depression and chemical pneumonitis resulting from aspiration into the lungs following ingestion.

Hexane – Chronic

Dermal irritation and central nervous system depression accompanied by peripheral nervous system damage (polyneuropathy) are common traits of sustained overexposure.

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**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.

**SECTION 14 – TRANSPORT INFORMATION**

**For all 10.5 ounce and only 29 ounce cartridge and gallon pail not shipped by air:**

DOT:

UN Number: None  
UN Pack Group: Not applicable  
UN Class: ORM-D  
Shipping Name: Consumer Commodity

AIR:

UN Number: ID8000  
UN Pack Group: Not applicable  
UN Class: 9  
ICAO/IATA: 9  
Shipping Name: Consumer Commodity

MARITIME:

UN Number: None  
UN Number: Not applicable  
UN Pack Group: Not applicable  
IMDG Class: Limited Quantity  
Shipping Name: Dangerous Goods in Limited Quantities of Class 3

**For air shipments of 29 ounce cartridge and 1 gallon pail and any shipment of 5 gallon pail:**

UN Number: UN1133  
UN Pack Group: III  
UN Class: 3  
ICAO/IATA: 3  
IMDG Class: 3  
Shipping Name: Adhesives containing a Flammable Liquid

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

**SECTION 15 – REGULATORY INFORMATION**

**SARA TITLE III SECTION 313:**

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Chemical Name	CAS Number	Percent
Hexane	110-54-3	27.30

**TSCA (Toxic Substances Control Act Inventory):**

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

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**PENNSYLVANIA:**

Hazardous components required to be listed at 1% or more:

kaolin clay; kaolin; 1332-58-7

hexane; hexane; 110-54-3

crystalline silica; quartz; 14808-60-7

Non-hazardous components required to be listed at 3% or more:

styrene-butadiene rubber 9003-55-8; petroleum hydrocarbon 64742-18-3; C-9 resin 68240-01-7

**NEW JERSEY:**

clay 1332-58-7; C-9 resin 68240-01-7; styrene-butadiene rubber 9003-55-8; hexane 110-54-3; petroleum oil 64742-18-3

**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.