

McGill AirSeal LLC
MATERIAL SAFETY DATA SHEET

MSDS Name: United Duct Sealer
Revision Date: September 25, 2012
Page Number: 1 of 5

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: United 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) 829-1200
Fax: (614) 829-1488
Chemtrec (24 hour): (800) 424-9300
Chemtrec International: (703) 527-3887
Product Class: solvent mastic
Product Use: duct sealer
Product Code: 5841, 5842, 5846, 5847
Division: McGill AirSeal

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Percent
hexane	110-54-3	22.73
toluene	108-88-3	4.85

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:

DANGER: EXTREMELY FLAMMABLE, VAPOR HARMFUL. Vapor can cause flash fire. Contains toluene and hexane. Vapors can 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. Turn off stoves, heaters and sparking electric motors. Keep away from all source of ignition until all vapors are gone. Keep container tightly closed when not in use. Avoid prolonged breathing of vapors. **KEEP OUT OF THE REACH OF CHILDREN.** Product can be light brown, tan, or grayish in color. It is a medium viscosity mastic with a strong solvent odor.

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:

May be harmful if absorbed through skin, may produce kidney, liver and central nervous system damage. A single exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

EYE:

Substance may cause severe eye irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Preexisting neurological conditions, skin disorders, and respiratory disease.

McGill AirSeal LLC

MATERIAL SAFETY DATA SHEET

MSDS Name: United Duct Sealer
Revision Date: September 25, 2012
Page Number: 2 of 5

CARCINOGENICITY:

IARC: No
NTP: No
OSHA: No

REPRODUCTIVE TOXICITY:

Toluene may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of toluene during pregnancy can cause severe birth defects in humans.

TARGET ORGANS:

Prolonged or repeated overexposure may cause eye, skin, respiratory system, central nervous system, peripheral nervous system, liver and kidney 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%

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:

Oxides of carbon may be released during combustion.

FIRE FIGHTING PROCEDURES:

Wear a NIOSH approved self-contained breathing apparatus. Wear appropriate personal protective equipment. Water may be ineffective, but may be used to cool exposed containers to prevent build-up and possible auto ignition or explosion when exposed to extreme heat.

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).

McGill AirSeal LLC

MATERIAL SAFETY DATA SHEET

MSDS Name: United Duct Sealer
Revision Date: September 25, 2012
Page Number: 3 of 5

SECTION 7 – HANDLING AND STORAGE

HANDLING:

Avoid breathing vapors from the headspace of containers. Keep lid closed when not in use. Use only in well ventilated areas. Follow all MSDS/label precautions even after container is emptied. Containers may retain product residue and vapors.

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
toluene	20.00 ppm	Not established	Not established	Not established	200.00 ppm

The OSHA Ceiling for toluene is 300 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:	light brown/tan/gray
Odor:	solvent
Solubility (in water):	nil
pH Value:	not applicable
Boiling range/Point:	156°F
Evaporation Rate:	faster than n-Butyl Acetate
% Volatile:	28%
Specific Gravity:	1.14
VOC:	302 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:

Will not occur.

McGill AirSeal LLC

MATERIAL SAFETY DATA SHEET

MSDS Name: United Duct Sealer
Revision Date: September 25, 2012
Page Number: 4 of 5

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.

Toluene - Acute:

Toluene is a central nervous system depressant and skin and mucous membrane irritant. Severe dermatitis may result from its drying and defatting action. Toluene is an aspiration hazard causing chemical pneumonitis.

Toluene - Chronic:

Toluene can cause cardiac sensitization. It is toxic to the kidney, liver. Can cause effects on the blood system such as increased clotting time.

Toluene may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of toluene during pregnancy can cause birth defects in humans.

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 a 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: UN1133
UN Class: 3
UN Pack Group: III
IMDG Class: Limited Quantity
Shipping Name: ADHESIVES, Containing flammable liquid. Marine pollutant (paraffin waxes and hydrocarbon waxes, chloro)

For air shipments of 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

McGill AirSeal LLC
MATERIAL SAFETY DATA SHEET

MSDS Name: United Duct Sealer
Revision Date: September 25, 2012
Page Number: 5 of 5

For 52 gallon drum

UN Number: UN1133
UN Pack Group: II
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	22.73
toluene	108-88-3	4.85

PROP 65 (TERATOGEN)

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

toluene	108-88-3	4.85
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TSCA (Toxic Substances Control Act Inventory):

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

PENNSYLVANIA:

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

kaolin clay; kaolin; 1332-58-7

hexane; hexane; 110-54-3

toluene; benzene, methyl-; 108-88-3

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

styrene-butadiene rubber 9003-55-8; C-9 resin 68240-01-7; chlorinated paraffin 63449-39-8

NEW JERSEY:

clay 1332-58-7; C-9 resin 68240-01-7; styrene-butadiene rubber 9003-55-8; hexane 110-54-3; chlorinated paraffin 63449-39-8

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.