McGill AirSeal LLC
MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	UNI-COAT
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	21.9
titanium dioxide	13463-67-7	2.8
1, 2, 4-trimethylbenzene	95-63-6	0.4
light aromatic hydrocarbons	64742-95-6	0.2
xylene	1330-20-7	4.4
ethylbenzene	100-41-4	0.8
toluene	108-88-3	3.4
v.m. & p. naphtha	64742-89-8	2.0

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.
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.
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 STEL	OSHA PEL	OSHA STEL
hexane	50 ppm	Not established	500 ppm	Not established
titanium dioxide	10 mg/m^3 (as dust)	Not established	10 mg/m^3 (total dust)	5 mg/m^3 (respirable fraction)
1, 2, 4-trimethylbenzene	25 ppm	Not established	25 ppm	Not established
xylene	100 ppm	150 ppm	100 ppm	150 ppm
ethylbenzene	25 ppm	Not established	100 ppm	250 ppm
toluene	20 ppm	Not established	100 ppm (skin)	150 ppm (skin)
v.m. & p. naphtha	300 ppm	Not established	300 ppm	400 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:	off white
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:	36%
Specific Gravity:	1.1
VOC:	374 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.
Titanium Dioxide – IARC's Monograph No. 93 – There is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans. Group 2B rating. "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials."
Ethylbenzene – Ehtylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in lab animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rates and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer 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 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	21.9
1, 2, 4-trimethylbenzene	95-63-6	0.4
light aromatic hydrocarbons	64742-95-6	0.2
xylene	1330-20-7	4.4
ethylbenzene	100-41-4	0.8
toluene	108-88-3	3.4

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
crystalline silica; quartz; 14808-60-7
titanium dioxide; 13463-67-7
xylene; 1330-20-7
toluene; 108-88-3
v.m. & p. naphtha; 64742-89-8
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; titanium dioxide 13463-67-7; 1, 2, 4-trimethylbenzene 95-63-6; light aromatic hydrocarbons 64742-95-6; xylene 1330-20-7; ethylbenzene 100-41-4; toluene 108-88-3; v.m. & p. naphtha 64742-89-8

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.