

McGill AirSeal LLC
MATERIAL SAFETY DATA SHEET

MSDS Name: UNI-FAST Adhesive
Revision Date: January 1, 2006
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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: UNI-FAST Insulation Adhesive
CAS Number: none
HMIS Hazard Rating: Health: 1 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 adhesive
Product Use: adhesive
Product Code: 500548 (black), 500558 (green)
Division: McGill AirSeal

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Percent
petroleum distillate	8030-30-6	45
petroleum distillate	64742-89-8	20
toluene	108-88-3	5

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 green, black, or clear color, medium thin liquid with a strong solvent odor.

DANGER: EXTREMELY FLAMMABLE, VAPOR HARMFUL. CONTAINS PETROLEUM DISTILLATES AND TOLUENE. 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. Excessive inhalation of vapors may cause irritation of nose and throat, headache, nausea, vomiting, dizziness, drowsiness, euphoria, loss of coordination, and disorientation. In poorly ventilated or confined spaces, may cause unconsciousness and asphyxiation may result.

INGESTION:

Swallowing small amounts is not likely to cause harmful effects. Large amounts may be harmful, material can enter the lungs during swallowing or vomiting, resulting in lung inflammation and other injury.

SKIN:

Prolonged or repeated skin contact can cause defatting of the skin or irritation seen as redness, drying, or burning.

EYE:

Substance may cause mild eye irritation.

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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

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. If difficulty persists seek medical attention.

INGESTION:

Call poison control center immediately. Follow their specific instructions. Do not induce vomiting. Material is an aspiration hazard. If unconscious, place on side with head down and seek medical attention.

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): IIB
Flash Point: - 14°F
C.C.

Explosive Range: Lower explosive limit 1.0%
Upper explosive limit 7.0%

Vapors can travel back to the source of ignition. Flammable liquid. Can form explosive mixtures at temperatures at or above the flashpoint. Material is volatile and gives off vapors which may travel along the ground or be moved by ventilation and be ignited by pilot lights, electric motors, sparks, smoking, and other sources of ignition even far from the material handling area. Never use a welding or cutting torch on or near drums, even empty, because product can ignite explosively.

EXTINGUISHING MEDIA:

Use regular foam, carbon dioxide, dry chemical. Water may be ineffective, but can be used to keep fire exposed containers cool until fire is out.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide, carbon dioxide, and various hydrocarbons may be released during combustion.

FIRE FIGHTING PROCEDURES:

Can burn in a fire, releasing toxic vapors. Firefighters should be equipped with self-contained breathing apparatus operated in positive pressure demand mode with appropriate turn out gear and chemical resistant protective equipment.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES:

Small Spill: Absorb liquid with absorbent material and transfer to a closed metal container. Keep away from drains.
Large Spill: Eliminate all sources of ignition (flares, flames, pilot lights, electrical sparks), ventilate area, people without protective equipment should be excluded from the area of the spill, prevent spill from entering drains, sewers, streams, or other bodies of water, stop spill at source, dike area to contain spill, absorb all absorbents, transfer to closed metal container.

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SECTION 7 – HANDLING AND STORAGE

HANDLING:

Keep away from heat, sparks, and flame. Use only in areas ventilated with enough air movement to remove vapors and prevent vapor buildup. Vapors can be easily ignited. Avoid contact with eyes and skin. Avoid prolonged breathing of vapors. Avoid breathing of overspray adhesive during spray application. Keep container closed when not in use.

STORAGE:

Keep away from sources of ignition. Store between +50°F and +100°F. Store large quantities in buildings designed and protected for storage of NFPA Class 2-B flammable materials.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

	<u>ACGIH TLV</u>	<u>ACGIH TLV-C</u>	<u>ACGIH STEL</u>	<u>OSHA STEL</u>	<u>OSHA PEL</u>
Petroleum distillate (CAS # 8030-30-6)	200 ppm	Not established	Not established	Not established	500 ppm
Petroleum distillate (CAS # 64742-89-8)	400 ppm	Not established	Not established	Not established	400 ppm
Toluene	100 ppm	Not established	Not established	Not established	500 ppm

ENGINEERING CONTROLS:

Use an operating spray booth if at all possible. If not, provide other local exhaust to prevent vapor buildup. If adequate ventilation cannot be maintained consult your local safety equipment dealer for an appropriate respirator for your application needs.

OTHER:

Facilities storing or utilizing any chemical should be equipped with an eyewash facility and a safety shower. To prevent prolonged or repeated skin contact, wear impervious clothing and boots. Launder clothing before reuse.

RESPIRATORY PROTECTION:

Use an operating spray booth if at all possible. If not, provide other local exhaust to prevent vapor buildup. 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) or face shield to prevent eye contact.

SKIN PROTECTION:

Where skin contact can occur wear impervious gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form: medium thin liquid
Appearance/Color: green, black, or clear
Odor: solvent
Solubility (in water): slight
pH Value: not applicable
Boiling range/Point: 140°F
Evaporation Rate: 2.6 (Butyl Acetate = 1)
% Volatile: 70%
Specific Gravity: 0.78
VOC: 528 g/l

SECTION 10 – STABILITY AND REACTIVITY

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

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CONDITIONS TO AVOID:

Heat, sparks, open flames

INCOMPATIBILITY:

Strong oxidizing agents, acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, various hydrocarbons

SECTION 11 – TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF EXPOSURE:

Stomach or intestinal upset, nausea, vomiting, diarrhea, irritation of nose, throat, or airways, central nervous system depression, dizziness, drowsiness, weakness, fatigue, headache, or unconsciousness.

SECTION 12 – ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Commercial incineration with destruction efficiency of 99.99% or reclamation is preferred, otherwise dispose of in accordance with all applicable federal, state, and local regulations. U.S. EPA Hazardous Waste Number D001 (ignitable).

CONTAINER DISPOSAL

Disposal of this container should comply with all applicable federal, state, and local regulations. Never use a welding or cutting torch on or near drums, even empty because product can ignite explosively.

SECTION 14 – TRANSPORT INFORMATION

For all shipments of 5 gallon pail:

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

For all shipments of 52 gallon drum:

UN Number: UN1133
UN Pack Group: II
UN Class: 3
ICAO/IATA: 3
IMDG Class: 3
Shipping Name: Flammable Adhesive 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
Toluene	108-88-3	5.0

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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.