

McGill AirSeal Corporation
MATERIAL SAFETY DATA SHEET

MSDS Name: Uni-Cast Adhesive
Revision Date: January 31, 2002
Page Number: 1 of 4

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Uni-Cast Adhesive
CAS Number: none
HMIS Hazard Rating: Health: 1 Fire: 1 Reactivity: 0
Company Identification: McGill AirSeal Corporation
2400 Fairwood Avenue
Columbus, Ohio 43207
Contact: McGill AirSeal Corporation
Telephone: (800) 624-5535 (614) 443-5520
Fax: (614) 542-2620
Emergency Phone (24 hour): Security (614) 445-1300
Chemtrec (24 hour): (800) 424-9300
Chemtrec International: (703) 527-3887
Product Class: polymer dispersed in water
Product Use: adhesive
Product Code: 2435
Division: McGill AirSeal

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Percent
xylene	1330-20-7	1.19
vinyl acetate	108-05-4	0.12

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

SECTION 3 – HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION: IRRITANT. Contains emulsified xylene. Do not allow eye contact or prolonged skin contact. FOR INDUSTRIAL USE ONLY. Material is a white liquid.

ROUTES OF ENTRY:

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

INHALATION:

May cause headaches and dizziness. High vapor concentrations are irritating to the nose, throat and lungs and can cause systemic effects.

INGESTION:

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

SKIN:

Prolonged or repeated skin contact can cause irritation. Solvent can be absorbed through the skin.

EYE:

Mildly irritating to eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Medical conditions associated with target organs may be aggravated by exposure.

CARCINOGENICITY:

IARC: yes, 2B (vinyl acetate). See Section 2.
NTP: no
OSHA: no

The International Agency for Research on Cancer has determined vinyl acetate to be carcinogenic in experimental animals. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans.

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REPRODUCTIVE TOXICITY:

None currently known.

TARGET ORGANS:

eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver and kidneys

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

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:

None required.

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in well-ventilated area. Follow all MSDS/label precautions even after the container is emptied. Containers may retain product residues and vapors. Avoid prolonged or repeated contact with skin.

STORAGE:

Keep from freezing.

PRECAUTIONARY STATEMENT:

Keep out of the reach of children.

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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
xylene	100.00 ppm	Not established	150.00 ppm	Not established	100.00 ppm
vinyl acetate	10.00 ppm	Not established	15.00 ppm	Not established	Not established

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:

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:	liquid
Appearance/Color:	white
Odor:	mild
Solubility (in water):	miscible
pH Value:	4.0 - 5.5
Boiling range/Point:	212°F
Evaporation Rate:	slower than n-Butyl Acetate
% Volatile:	70.0 %
Specific Gravity:	1.05
VOC:	50.3 g/l

SECTION 10 – STABILITY AND REACTIVITY

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

CONDITIONS TO AVOID:

None known

INCOMPATIBILITY:

Strong acids and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS:

Not applicable

SECTION 11 – TOXICOLOGICAL INFORMATION

This product has a low order of acute and chronic toxicity by all routes of exposure. A trace constituent, vinyl acetate, is reported by the International Agency for Research on Cancer (IARC), to cause tumors in experimental animals at high doses not considered relevant to worker exposures. Epidemiologic studies of exposed human populations do not indicate an increased risk of cancer in exposed humans.

Two year animal tests (inhalation) at 50, 200, and 600 ppm of vinyl acetate monomer have shown that some animals in the 600 ppm group developed tumors. There is no evidence of human carcinogenicity. Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed.

Exposure may cause eye and skin irritation. Prolonged skin exposure may cause burning, drying and cracking of the skin. Inhalation of vapor or mist at levels exceeding permissible exposure standards can cause irritation of the respiratory tract, including nose and throat irritation. Prolonged inhalation exposure in high levels can cause central nervous system depression resulting in dizziness, drowsiness, weakness, nausea, headache and unconsciousness. Ingestion can cause gastrointestinal irritation including vomiting and diarrhea. Vomiting can cause aspiration into the lungs, causing pneumonitis.

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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

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

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
xylene	1330-20-7	1.19
vinyl acetate	108-05-4	0.12

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:

xylene 1330-20-7

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

water 7732-18-5, vinyl acrylic copolymer emulsion 26471-46-5

NEW JERSEY:

bromo-chlorinated paraffin 68955-41-9; xylene 1330-20-7; ethylene glycol 107-21-1, water 7732-18-5, vinyl acrylic copolymer emulsion 26471-46-5

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 Corporation makes no warranty, express or implied, with respect thereto and disclaims all liability from reliance thereon.

