

Product Information

MSDS 034

JOWAPUR 10 684.20; 11 687.00; 60 687.40; 60 688.99; 61 687.40; 681.25; 685.09; 685.17; 685.30; 685.32; 685.33; 685.60; 686.20; 686.25; 686.32; 686.45; 686.65; 687.20; 687.40; 688.99; 689.00

ViseTite Paste

ViseTite Plus

Product class: PUR PREPOLYMER ADHESIVE

Section I - General Information

Manufacturer: **Jowat Corporation**
6058 Lois Lane
Archdale NC 27263

Emergency Phone Numbers: **1 800 424 9300 (Chemtrec 24 Hours)**
Information Telephone Number: **336 434 9000**

Date Prepared: 11/12/01 Date Issued: 10/20/2006 Date Reviewed: 03/12/04
Prepared by: G. Haas

Section II - Hazardous Ingredients

	CAS#	CONCENTRATION	OSHA PEL [ppm]	ACGIH TLV [ppm]
Diphenyl methane diisocyanate (MDI)	101-68-8	30-60%	0.02	0.005 ppm TWA

Section III - Physical Data

BOILING POINT: > 200°C
FREEZING POINT: N/A
VAPOR PRESSURE (mm Hg.): N/A
VAPOR DENSITY (AIR = 1): N/A
SOLUBILITY IN WATER: reacts with water
pH: N/A
APPEARANCE AND ODOR: thick, amber liquid, mild odor at 25°C
ODOR THRESHOLD: 0.4 ppm
SPECIFIC GRAVITY (H2O = 1): 1.1
MELTING POINT R&B: N/A
EVAPORATION RATE (Butyl Acetate = 1): N/A
PERCENT VOLATILE BY VOLUME (%): <1%
VOC: <10 g/l

Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): (Pensky-Martens closed cup) 200°C (392F)
FLAMMABLE LIMITS: N/A
LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: CO₂, Dry Chemical, Foam, Water spray for large fires.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear self-contained breathing apparatus to avoid inhalation of smoke and vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS: At temperatures greater than 204°C (400F), MDI can polymerize and decompose, which can cause pressure build-up in closed containers. Explosive rupture is possible.

Section V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Water, alcohols, amines, strong bases and strong oxidizers.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: By high heat and fire: carbon dioxide and monoxide, oxides of nitrogen, traces of HCN, MDI vapors or aerosols.

CONDITIONS TO AVOID: Avoid contact with water, alcohol, amines.

Section VI - Health Hazard Data

ROUTE(S) OF ENTRY:

Inhalation: Although MDI is low in volatility, an inhalation hazard can exist from MDI aerosols or vapors formed during heating, foaming or spraying.

Ingestion: very unlikely

Skin: from liquid and aerosols (spray application)

INHALATION:

At room temperature, vapors are minimal due to low vapor pressure. In some individuals an allergic reaction may occur. May cause respiratory sensitization in susceptible individuals. MDI concentrations below exposure guidelines may cause allergic reactions in individuals already sensitized. Symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Effects may be delayed. Impaired lung function (decreased ventilation capacity) has been associated with overexposure to isocyanates.

INGESTION:

No hazard expected in normal industrial use. Ingestion is not a likely route of exposure.

SKIN:

Prolonged or repeated exposure may cause skin irritation. Skin contact may result in allergic skin reactions or respiratory sensitization but is not expected to result in absorption of amounts sufficient to cause other adverse effects. Material may stick to skin causing irritation upon removal. May stain skin.

EYE:

May cause slight eye irritation. Corneal injury is unlikely.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Respiratory conditions such as asthma.

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

ACGIH: No

REPRODUCTIVE TOXICITY:

In laboratory animals, MDI/polymeric MDI do not produce birth defects; other fetal effects occurred only at doses which were toxic to the mother.

TARGET ORGANS:

Eyes, skin, and respiratory tract.

EMERGENCY & FIRST AID PROCEDURES

Eye contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Refer individual to physician or ophthalmologist for immediate follow-up.

Skin contact: Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Wash contaminated clothing thoroughly before re-use. For severe exposures, get under safety shower after removing clothing, then get medical attention. For lesser exposures, seek medical attention if irritation develops or persists after the area is washed.

Inhalation: Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention. Asthmatic-type symptoms may develop immediately or delayed up to several hours. Consult physician should this occur.

Ingestion: Do not induce vomiting. Give 1 to 2 cups of milk or water to drink. Do not give anything by mouth to an unconscious person. Consult physician.

NOTE TO PHYSICIAN:

Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation frequently. Workplace vapors have produced reversible corneal epithelial edema impairing vision. Skin: this compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as a thermal burn.

Ingestion: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound.

Respiratory: This compound is a known pulmonary sensitizer. Treatment is essentially symptomatic. An individual having a skin or pulmonary sensitization reaction to this material should be removed from exposure to any isocyanate

Section VII - Precautions for Safe Handling and Use

HANDLING:

In accordance with good manufacturing practices, good ventilation of the processing area is recommended. Gloves are recommended as product is difficult to remove from effected areas if contact with skin occurs.

STORAGE:

Store in tightly closed containers to protect from atmospheric moisture. Replace outage with inert nitrogen. Store at temperature of 75F to 90F.

Section VIII - Control Measures

ENGINEERING CONTROLS:

Use local exhaust as needed to maintain occupational exposure limits.

RESPIRATORY PROTECTION:

Atmospheric levels should be maintained below the exposure guidelines. For emergency and other conditions where an exposure guidelines may be exceeded, use an approved positive-pressure self contained breathing apparatus or supplied air respirator with an auxiliary self-contained air supply.

EYE PROTECTION:

Chemical splash goggles (ANSI Z87.1 or approved equivalent).

SKIN PROTECTION:

Use impervious materials made of butyl or nitrile rubber where skin contact may occur.

GENERAL:

Safety shower and eye wash station.

Section IX - Regulatory Information

HMIS – RATING: HEALTH-3* FLAMMABILITY-1 REACTIVITY-1

*chronic health hazard

WHMIS Class:



DOT PROPER SHIPPING NAME: Not a regulated material.

Section X – Other Information

These data are based on our present state of information. They shall, however, not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. All standard industrial precautions apply, concerning protection of health, and safe handling. The recommendations have to be examined in the context of the application for which the product is intended, and observed as necessary.