

Material Safety Data Sheet
Monoglass[®] Bonding Adhesive
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Section 1: Material Identification and Use

MANUFACTURER: MONOGLASS[®] INCORPORATED
ADDRESS: 922 - 1200 West 73rd Avenue, Vancouver, B.C. Canada V6P 6G5
PHONE: 1-604-261-7712 (in North America 1-888-777-2966)
TRADE NAME: MONOGLASS BONDING ADHESIVE
MATERIAL NAME: G-2228
CHEMICAL FORMULA: COMPLEX MIXTURE
CHEMICAL FAMILY: POLY (VINYL ACETATE) EMULSION
PRODUCT USE: ADHESIVE
WHMIS CLASSIFICATION: N/A

Section 2: Hazardous Ingredients

Hazardous Ingredients	Concentration %	CAS Number	Exposure Limits	LD ₅₀ /LC ₅₀ Species & Route
Vinyl Acetate Polymer	75-85%	9003-20-7	N/A	N/A
Vinylalcohol Polymer	15-20%	25213-24-5	N/A	N/A

Section 3: Physical Data

Physical State: Liquid
Odour Threshold (ppm): N/E
Specific Gravity: 1.05
Boiling Point (°C): N/E
pH: 4.0 – 5.0
%Volatile (by weight): 55-57
VOC: 1.74 grams/litre (undiluted)

Odour/Appearance: White viscous liquid with sweet odour
Vapour Pressure (mm Hg): N/E
Vapour Density (air = 1): > 1
Freezing Point (°C): < 0
Evaporation Rate (Butyl Acetate = 1): < 1
Solubility in Water (20 °C): Miscible
Coefficient of Oil/Water Distribution: N/E

Section 4: Fire and Explosion Data

Flammability? No
Flashpoint & Method: Not Established
Sensitivity to Static Charge: None
Upper Explosion Limit (% by volume): N/E
Special Procedures: Wear self contained breathing apparatus and full protective equipment
Auto Ignition Temp (°C): N/E
Means of Extinction: Use CO₂, foam, water fog or dry chemicals
Lower Explosion Limit (% by volume): N/E
Explosive Power:
Hazardous Combustion Products: Incomplete combustion can yield low molecular weight hydrocarbons and carbon dioxide
Rate of Burning: N/E

Section 5: Reactivity Data

Chemical Stability: Yes
Incompatibility: No (Specify) None Established
Reactivity, and under what conditions: Will not occur
Hazardous Decomposition of Products: Incomplete combustion can yield low molecular weight hydrocarbons and carbon dioxide
(N/A : Not Applicable) (N/E : Not Established)

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Section 6: Toxicological Properties

Route of Entry:	Inhalation Acute: No	Eye Contact: Yes	Inhalation: Yes
	Skin Contact: Yes	Ingestion: Yes	Skin Absorption: No

Effects of Acute Exposure: Direct eye contact with product may cause irritation. Exposure to vapours and fumes in poorly ventilated areas may cause irritation of the nose, throat and respiratory tract.

Effects of Chronic Exposure: Prolonged or repeated contact may cause irritation.

LD₅₀ of Product (Species and Route): N/E LC₅₀ of Product (Species): N/E

Exposure Limits: N/E Irritancy: As Above

Sensitization: Carcinogenicity:

Synergistic Materials: None Known Reproductive Effects:

Teratogenicity: Mutagenicity:

Section 7: Preventive Measures

Respiratory: No special respiratory equipment is required when used under normal conditions.

Gloves: Wear rubber protective gloves

Eye: Use safety goggles when splash potential exists

Clothing: N/A

Footwear: N/A

Other:

Engineering Controls: Provide sufficient ventilation to maintain airborne concentrations below exposure guidelines.

Leak & Spill Procedure: If material is released or spilled, dam up to limit spreading. Mop up or absorb on inert material and place in containers. If spill occurs in closed area, ventilate. Keep out of sewers, watersheds, or water systems.

Waste Disposal: This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in approved industrial landfill, consult your provincial or local authorities for proper disposal in the event more restrictive requirements apply.

Handling Procedures & Equipment: Keep container closed when not in use.

Shipping & Storage Requirements: Protect from Freezing.

Section 8: First Aid Measures

Inhalation: Remove subject to fresh air.

Skin: Wash affected area with soap and water. Launder contaminated clothing before reuse.

Eye: Flush immediately with water for 15 minutes. Consult physician if irritation persists.

Ingestion: Induce vomiting. No adverse health effects are anticipated. Consult a physician.

Section 9: Preparation of M.S.D.S.

Last Reviewed: January 02, 2006. Prepared by Product Safety Department.

Date Prepared: January 02, 2006. Phone: (604) 261-7712 / 1-888-777-2966