



MATERIAL SAFETY DATA SHEET

Gelacryl
Rev. 02/11

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

W.R.Grace & Co.-Conn.
62 Whittemore Avenue
Cambridge, MA 02140

Grace Canada, Inc.
294 Clements Road West
Ajax, Ontario L1S 3C6

In Case of Emergency Call:

In USA: (617) 876-1400 In Canada: (905) 683-8561

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

APPEARANCE AND ODOR: Green liquid, slight acrylic odor. Aqueous acrylate solution.

REACTIVE: Product will polymerize exothermically when heated above 35°C.

POTENTIAL HEALTH EFFECTS

Irritating to eyes and skin

SECTION 3: HAZARDOUS INGREDIENTS/ COMPOSITION

INGREDIENT	CAS#	PERCENT (wt/wt)
None Known		

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes gently with water for at least 15 minutes, while holding open upper and lower lids. Immediately seek medical attention.

SKIN: Remove contaminated clothing. Blot or brush the product away, prior to washing the exposed area with water. DO NOT USE SOLVENTS OR THINNERS.

INGESTION: SEEK IMMEDIATE MEDICAL ATTENTION!

INHALATION: Move to an area free from further exposure. Get medical attention immediately. Administer oxygen or artificial respiration as needed.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT & METHOD USED:
100°C (COC)

EXTINGUISHING MEDIA:
Dry Chemical, CO₂, Foam or Water Fog

SPECIAL FIRE FIGHTING PROCEDURES:
Do not scatter material with high pressure water streams. Firefighters should wear NFPA compliant structural firefighting protective equipment, including self-contained breathing apparatus and NFPA compliant helmet, hood, boots and gloves.

HAZARDOUS DECOMPOSITION PRODUCTS:

Fire or intense heat will decompose the product into CO₂, CO, Oxides of Nitrogen, and dense black smoke.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Where exposure level is known, wear approved respirator suitable for the level of exposure. If exposure level is unknown, wear approved, positive pressure, self-contained respirator. In addition to the protective clothing in section 8, wear impermeable boots.

CLEAN-UP PROCEDURES: Remove sources of ignition. Stop and contain / dam the spill. Absorb spill with inert material (vermiculite / diatomaceous earth). Shovel material into appropriate container for disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING:

Do not breathe vapors, mists, or dusts. Wear respiratory protection if material is heated. Do not spray material. Avoid contact with skin and eyes. Wear appropriate eye and skin protection. Wash thoroughly after handling. Do not breathe smoke and gases created by overheating or burning this material. Decomposition products can be highly toxic and irritating. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected.

STORAGE:

Maintain storage temperatures between 40°F to 95°F (5°C to 35°C).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Normal room ventilation is usually adequate under normal use. In confined space, provide explosion proof ventilation

RESPIRATORY PROTECTION:

If normal ventilation cannot be maintained, respirator with NIOSH approved organic vapor canister is recommended.

EYE PROTECTION: Safety goggles or face shield

SKIN PROTECTION: Use gloves; wear protective clothing to prevent skin contact.

WORK HYGIENIC PRACTICES: Use good hygiene practices when handling this material including changing and laundering of work clothes after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Green liquid

ODOR:

Mild acrylic

ODOR THRESHOLD:

NA

PHYSICAL STATE:

Liquid

pH:

6-8

MELTING/ FREEZING PT:

Not available

FLASH POINT

NA

BOILING POINT:

100° C

FREEZE POINT:

0° C

EVAPORATION RATE:

Not available



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FLAMMABILITY: Non-flammable		UPPER FLAMMABILITY LIMITS:	Not applicable
SOLUBILITY (H ₂ O): Soluble		LOWER FLAMMABILITY LIMITS:	Not applicable
PARTITION COEFFICIENT: available	Not	VAPOR PRESSURE:	Not available
AUTO-IGNITION TEMPERATURE: applicable	Not	BULK DENSITY:	9.8 lbs/gal
DECOMPOSITION TEMPERATURE: available	Not	SPECIFIC GRAVITY:	1.17
VISCOSITY: cps	15-20		
VOC CONTENT % WT:	NA		

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

Stable under normal ambient conditions. When heated above 35°C, the product will polymerize exothermically.

CONDITIONS TO AVOID (STABILITY): Keep away from heat sources.

INCOMPATIBILITY (MATERIAL TO AVOID):

Oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

None in ambient conditions.

Fire or intense heat will decompose the product into CO₂, CO, Oxides of Nitrogen, other toxic vapors.

HAZARDOUS POLYMERIZATION:

Exothermic polymerization will occur above 35°C

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50 oral: > 3000 mg/kg (rat)

Chronic Toxicity: Products irritates eyes and skin.

Product is harmful by inhalation, contact with skin and if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

Mobility: This product is water soluble

In the liquid state this product is biodegradable

This product is not classified as dangerous to the environment

This product is not expected to be bio-accumulative



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SECTION 13: DISPOSAL CONSIDERATIONS

Do not allow into drains and waterways. Wastes, including empty containers are controlled wastes and should be disposed of in accordance with all local, state and federal laws.

SECTION 14: TRANSPORT INFORMATION

Not regulated by DOT, IATA or IMO.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

U.S. Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

CEPA - Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

SARA 313 reporting:

No components.

HAZARD CLASSIFICATION:

HMIS III:	HEALTH:	FLAMMABILITY:	PHYSICAL HAZARD:
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