

GELACRYL SUPERFLEX



MATERIAL SAFETY DATA SHEET



MATERIAL SAFETY DATA SHEET

Gelacryl Superflex

Rev. 11/2011

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GELACRYL SUPERFLEX

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: Blue /Green Liquid

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

POTENTIAL HEALTH EFFECTS

Irritating to eyes and skin

SECTION 3: INGREDIENTS/ COMPOSITION

SOLUTION OF ACYRLATE AND METHACRYALTE MONOMERS IN WATER

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)



MATERIAL SAFETY DATA SHEET

Gelacryl Superflex

Rev. 11/2011

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Where exposure level is known, wear approved respirator suitable for the level of exposure. In confined space, 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 65°F to 86°F (18°C to 30°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.

**MATERIAL SAFETY DATA SHEET****Gelacryl Superflex**

Rev. 11/2011

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Blue/green liquid
ODOR:	Sweet
ODOR THRESHOLD:	Not available
PHYSICAL STATE:	Liquid
pH:	6-8
MELTING/ FREEZING PT:	Not available
FLASH POINT	> 100°C
BOILING POINT:	>100° c
EVAPORATION RATE:	Not available
FLAMMABILITY:	Non-flammable
SOLUBILITY (H ₂ O):	Soluble
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	6-20 cps
VOC CONTENT % WT:	Not available
UPPER FLAMMABILITY LIMITS:	Not applicable
LOWER FLAMMABILITY LIMITS:	Not applicable
VAPOR PRESSURE:	0.1 mbar at 20 °C
RELATIVE DENSITY:	1.18
BULK DENSITY:	Not available

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



MATERIAL SAFETY DATA SHEET

Gelacryl Superflex

Rev. 11/2011

SECTION 11: TOXICOLOGICAL INFORMATION

LD50 oral: >5000 mg/kg (rat)

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

This product is > 80% biodegradable.

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

Ingredient	TSCA	CERCLA RQ	SARA	
			302	313
Acrylates and methacrylates	Yes	No	No	No

WHMIS:

All components are listed on the CEPA Domestic Substances List (DSL)

Ingredient Disclosure List (IDL), the following components are on the list:

Acrylates and methacrylates

NFPA HAZARD CLASSIFICATION:

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0