



## MATERIAL SAFETY DATA SHEET

AC-400<sup>®</sup>

Rev. 09/12

### 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: Clear yellow-brown 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: INGREDIENTS/ COMPOSITION

INGREDIENT	CAS#	PERCENT
Hydroxypropyl acrylate	25584-83-2	<8%
Proprietary acrylate	TS	TS
Water	7732-18-5	>60%

### 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, CO<sub>2</sub>, 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:

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Fire or intense heat will decompose the product into CO<sub>2</sub>, 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. 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 50°F to 80°F (10°C to 27°C).

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### SUBSTANCE

Hydroxypropyl acrylate      ACGIH TLV: TWA 0.5ppm, 2.8 mg/m<sup>3</sup>  
NIOSH REL: TWA 0.5ppm, 3mg/m<sup>3</sup>

Skin irritant; respiratory irritant.  
Not categorized for carcinogenicity.

#### 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.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear yellow-brown liquid
ODOR:	Mild acrylic
ODOR THRESHOLD:	0.5 ppm
PHYSICAL STATE:	Liquid
pH:	5.5
MELTING/ FREEZING PT:	Not available
FLASH POINT	> 100°C
BOILING POINT:	>100° C
FREEZE POINT:	0° C
EVAPORATION RATE:	Not available
FLAMMABILITY:	Non-flammable
SOLUBILITY (H <sub>2</sub> O):	Soluble
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY (neat):	15-20 cps
VOC CONTENT % WT:	Not available
UPPER FLAMMABILITY LIMITS:	Not applicable
LOWER FLAMMABILITY LIMITS:	Not applicable
VAPOR PRESSURE:	Not available
BULK DENSITY:	9.8 lbs/gal
SPECIFIC GRAVITY:	1.2

### 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 CO<sub>2</sub>, CO, Oxides of Nitrogen, other toxic vapors.

#### HAZARDOUS POLYMERIZATION:

Exothermic polymerization will occur above 35°C



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**SECTION 11: TOXICOLOGICAL INFORMATION**

No toxicology information available

**SECTION 12: ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION:

Substance: Hydroxypropyl acrylate:

Freshwater fish species data: 96 hr LC50 Pimephales promelas: 1.9 mg/L ( flow-through)

**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

US. 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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