

# Dymax Corporation

51 Greenwood Rd, Torrington, CT 06790 Phone: (860) 482-1010 Fax: (860) 482-1308

## MATERIAL SAFETY DATA SHEET PRODUCT 602

### I. PRODUCT IDENTIFICATION

Product Name: 602	NFPA Est:	HMIS Est:
Synonyms: Polyurethane Oligomer Mixture	Health: 2	Health 2
	Fire: 1	Flam: 1
	React: 1	React: 1

### II. COMPOSITION

Ingredient	Concentration %	C.A.S. Number	ACGIH TLV
High Boiling (Meth)Acrylate	35-45	PROPRIETARY	--
Polyurethane Oligomer	25-38	PROPRIETARY	--
Maleic Acid	1-4	110-16-7	--
Acrylic Acid	4-7	79-10-7	2 ppm
Acrylic Impact Modifier	6-10	PROPRIETARY	--
t-Butyl Perbenzoate	1-5	614-45-9	--
Silica Gel	5-11	112945-52-5	--

### III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure: 6 mm Hg at 30°C	Vapor Density: Heavier Than Air
Solubility in Water: Insoluble	Specific Gravity: 1.13
Boiling Point: N.A.	Appearance: Amber liquid
Odor: Mild	

### IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: > 200°F (P.M.C.C.)  
Recommended Extinguishing Agents: Use water spray, foam, dry chemical, or CO<sub>2</sub>.  
Hazardous Products Formed by Fire  
or Thermal decomposition: Toxic fumes (oxides of carbon and nitrogen) may be evolved upon exposure to heat or open flame.  
Unusual Fire or Explosion Hazards: None  
Compressed Gasses: None Pressure at Room Temp: N.A.

### V. REACTIVITY DATA

Stability: Stable Hazardous Polymerization: May occur  
Hazardous Decomp. Prod.: None  
Incompatibility: Oxidizers, amines, strong Lewis or mineral acids, thiosulfates. Smoke and toxic fumes may be evolved as a result of uncontrolled exothermic reaction of large masses of material reacting with curing agents, such as peroxides, amines, or exposure to light.

### VI. SPILL OR LEAK PROCEDURES

Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with current local, state, and federal regulations.

### VII. STORAGE AND HANDLING PROCEDURES

Storage: Avoid storage over 100° F, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.  
Handling: Avoid prolonged or repeated breathing of vapor.

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### VIII. SHIPPING REGULATIONS

DOT and IATA Hazard Classification: Not Restricted Article  
Proper DOT Shipping Name: Unrestricted  
Identification Number: DOT - None IATA - None

### IX. EMERGENCY TREATMENT PROCEDURES

Eye Irritation: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.  
Skin Contact: In case of skin contact, wash thoroughly with soap and water. Do not use organic solvents for cleanup as they may dry or irritate the skin and act as a carrier for chemical absorption.  
Inhalation: Remove affected person to fresh air.  
Ingestion: Low toxicity; Get medical attention.

### X. PERSONAL PROTECTION

Respiratory: Positive fresh air exhaust should be provided in the work area; respiratory equipment is unnecessary in normal use.  
Skin: Avoid skin contact. Wear gloves and impervious protective clothing if frequent direct contact is likely.  
Eyes: Do not wear contact lenses. Chemical safety goggles are recommended.

### XI. HEALTH HAZARD DATA

Potential Routes of Entry: Skin, eyes, inhalation.  
Symptoms of Overexposure: Possible skin and eye irritation on contact. Inhalation of vapors in an unventilated area may, over time, induce headaches.

Exposure Limits:	ACGIH (TLV)	OSHA (PEL)	OTHER
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#### Ingredients

Acrylic Acid	2 ppm	--	--
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#### Target Organs:

#### Carcinogen:

	NTP	IARC	OSHA
High Boiling (Meth)Acrylate	--	NO	NO
Polyurethane Oligomer	--	NO	NO
Maleic Acid	--	NO	NO
Acrylic Acid	--	NO	NO
Acrylic Impact Modifier	--	NO	NO
t-Butyl Perbenzoate	--	NO	NO
Silica Gel	--	NO	NO

#### Abbreviations:

N/A Not Applicable	ALG Allergen
IRR Irritant	KID Kidney
LIV Liver	REP Reproductive

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### XII. REGULATORY INFORMATION

Sara Listed Ingredients:  
ACRYLIC ACID

TSCA Inventory: All Ingredients

#### STATE RIGHT-TO-KNOW

##### CALIFORNIA Proposition 65

This product does not contain materials which the State of California has found to cause cancer, birth defects, or other reproductive harm.

MASSACHUSETTS Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinary Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

\*\* NONE \*\*

PENNSYLVANIA Right-To-Know, Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

\*\* NONE \*\*

#### OTHER REGULATORY INFORMATION:

\*\* NONE \*\*

#### ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists  
OSHA = Occupational Safety and Health Administration  
TLV = Threshold Limit Value  
PEL = Permissible Exposure Limit  
NTP = National Testing Program  
IARC = International Agency for Research on Cancer  
NFPA = National Fire Protection Association  
HMIS = Hazardous Materials Identification System  
-- = No Data / Not Available

### XIII. PREPARATION INFORMATION

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