

# SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations  
(SOR/2015-17)

## 1. Identification

**Product identifier:**

DEGADUR® MDP Primer SG A

**Recommended use of the chemical and restrictions on use****Recommended use:** bridge membrane system**Recommended restrictions:** None known.**Manufacturer/Importer/Distributor Information**

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## 2. Hazard(s) identification

**Hazard Classification****According to Hazardous Product Regulations****Physical Hazards**

Flammable liquids Category 2

**Health Hazards**

Skin Corrosion/Irritation Category 2

Skin sensitizer Category 1B

Carcinogenicity Category 2

Specific Target Organ Toxicity -  
Single Exposure Category 3<sup>1</sup>

**Target Organs**

1. Respiratory tract irritation.

**Unknown toxicity - Health**

Acute toxicity, inhalation, vapor 0.24 %

Acute toxicity, inhalation, dust 0.74 %  
or mist

**Environmental Hazards**

Acute hazards to the aquatic environment      Category 3

**Label Elements**

**Hazard Symbol:**



**Signal Word:**                      Danger

**Hazard Statement:**              Highly flammable liquid and vapor.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Suspected of causing cancer.  
May cause respiratory irritation.  
Harmful to aquatic life.

**Precautionary Statements**

**Prevention:**                      Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep container tightly closed. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**                      IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water [or shower]. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention. In case of fire: Use... to extinguish.

**Storage:**                      Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:**                      Dispose of contents/container in accordance with local regulation.

**Physical Hazards Not Otherwise Classified:**              Classification not possible

**Health Hazards Not Otherwise Classified:**              Classification not possible

**3. Composition/information on ingredients**

**Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Methyl methacrylate		80-62-6	45 - 70%
triethyleneglycol dimethacrylate		109-16-0	1 - 5%
N,N-bis-(2-hydroxypropyl)-p-toluidine		38668-48-3	0.1 - 1%
Triisodecylphosphite		25448-25-3	0.1 - 1%
N,N-dimethyl-p-toluidine		99-97-8	0.1 - 1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition Comments:** Solution of an acrylic polymer in an acrylic acid ester

**4. First-aid measures**
**Description of necessary first-aid measures**

<b>General information:</b>	Take off all contaminated clothing immediately. Medical treatment is necessary if symptoms occur which are obviously caused by skin or eye contact with the product or by inhalation of its vapours.
<b>Inhalation:</b>	Move subject to fresh air and keep him calm. Seek medical advice immediately.
<b>Skin Contact:</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. Contact a doctor immediately.
<b>Eye contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. Seek medical advice immediately.
<b>Ingestion:</b>	Do not induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.
<b>Personal Protection for First-aid Responders:</b>	Evacuate enclosed and surrounding areas., As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear., Keep spills away from sources of ignition.

**Most important symptoms/effects, acute and delayed**

<b>Symptoms:</b>	sensitising effects Causes skin and eye irritation. Excessive or prolonged exposure can cause the following: Headache. confusion
<b>Hazards:</b>	No data available.

**Indication of immediate medical attention and special treatment needed**

<b>Treatment:</b>	Symptomatic treatment.
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**5. Fire-fighting measures**

**General Fire Hazards:** Vapours are heavier than air and can form an explosive mixture with air. Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint. Remove sources of ignition. Also keep emptied containers away from sources of heat and ignition. Keep out unprotected persons. In case of fire, remove the endangered barrels and bring to a safe place, if this can be done safely. Containers exposed to heat (fire) may build up pressure. Cool by splashing with water. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** foam Dry chemical. Carbon dioxide water with wetting agent

**Unsuitable extinguishing media:** High volume water jet

**Specific hazards arising from the chemical:** May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition. Closed container may rupture if strongly heated. Vapours may form explosive mixtures with air. Combustible air-vapour mixtures are heavier than the air and spread along the floor. Ignition from a considerable distance is possible.

#### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** Keep away from sources of ignition - No smoking. Vapors are heavier than air. Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint. Take action to prevent static discharges. Use explosion-proof equipment. In the event of fire, cool the endangered containers with water. Fire fighting must be carried out from a safe distance.

**Special protective equipment for fire-fighters:** Evacuate enclosed and surrounding areas. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Keep spills away from sources of ignition.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Assure sufficient ventilation. Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. Keep away from open flames, hot surfaces and sources of ignition. Vapours can form explosive mixtures with air. Keep out unprotected persons. Avoid spark generation.

**Methods and material for containment and cleaning up:** Remove sources of ignition and ventilate area. All equipment used when handling the product must be grounded. Use personal protective equipment. Absorb spill with inert material and place in a chemical waste container. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil. See Material Safety Data Sheet section 8, Exposure Controls/Personal Protection.

**Environmental Precautions:** Prevent product from getting into drains/surface water/groundwater.

## 7. Handling and storage

### Handling

**Technical measures (e.g. Local and general ventilation):**

Provide general and/or local exhaust ventilation to maintain airborne levels below the exposure limits in Section 8. Refer to the current edition of 'Industrial Ventilation: A Manual of Recommended Practice' published by the American Conference of Government Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

**Safe handling advice:**

Keep away from sources of ignition - No smoking. Vapors are heavier than air. Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

Take action to prevent static discharges. Use explosion-proof equipment. In the event of fire, cool the endangered containers with water. Fire fighting must be carried out from a safe distance. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product. Use only trained personnel. Remove contaminated clothing and wash it before reuse. Product is supplied in a stabilized form. Keep locked up. Keep away from heat. Keep away from sparks, flames and other sources of ignition. Use explosion proof equipment. Take precautionary measures against static discharges. Open container carefully as it may be pressurized. Use portable ventilation if necessary at job site. Ground and bond containers when transferring material. The need for grounding and bonding of containers in accordance with OSHA 29 CFR 1910.106 and NFPA 77 should be assessed for all product transfers. Keep container tightly closed. Do not eat, drink, smoke or chew tobacco around material. Use only with adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Container hazardous when empty. Emptied container retains vapor and product residue. Follow all MSDS/label precautions even after the container is emptied. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

**Contact avoidance measures:**

No data available.

**Hygiene measures:**

Take off all contaminated clothing immediately. Store work clothing separately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

### Storage

**Safe storage conditions:**

Improper disposal or re-use of this container may be dangerous and illegal. Keep away from direct sunlight. Keep containers closed when not in use. Ensure there is good room ventilation. Limit storage of flammable liquids to approved areas equipped with overhead sprinklers. Protect material from contamination (refer to Section 10 for incompatibilities). Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container. Do not heat or cut the empty container with electric or gas torch. Keep in the original container at a temperature not exceeding 25 °C (77 °F). Do not store in direct sunlight. Keep away from heat. Keep away from sparks, flames and other sources of ignition. Keep locked up. Fill the container by approximately 90 % only as oxygen (air) is required for stabilisation. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability.

**Safe packaging materials:**

No data available.

**8. Exposure controls/personal protection**
**Control Parameters**
**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values		Source
Methyl methacrylate	TWA	50 ppm	205 mg/m <sup>3</sup>	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
	STEL	100 ppm	410 mg/m <sup>3</sup>	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
Methyl methacrylate	TWA	50 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
	STEL	100 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Methyl methacrylate		50 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2016)
		100 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2016)
Methyl methacrylate	TWA	50 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
	STEL	100 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Methyl methacrylate	8 HR ACL	50 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	15 MIN ACL	100 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
Methyl methacrylate	TWA	50 ppm	205 mg/m <sup>3</sup>	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Methyl methacrylate	TWA	50 ppm		US. ACGIH Threshold Limit Values (03 2016)
	STEL	100 ppm		US. ACGIH Threshold Limit Values (03 2016)
Paraffin waxes - Fume.	TWA		2 mg/m <sup>3</sup>	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
Paraffin waxes - Fume.	TWA		2 mg/m <sup>3</sup>	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Paraffin waxes - Fume.			2 mg/m <sup>3</sup>	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2016)
Paraffin waxes - Fume.	TWA		2 mg/m <sup>3</sup>	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Paraffin waxes - Fume.	8 HR ACL		2 mg/m <sup>3</sup>	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	15 MIN ACL		4 mg/m <sup>3</sup>	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)

Paraffin waxes - Fume.	TWA		2 mg/m <sup>3</sup>	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Paraffin waxes - Fume.	TWA		2 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (03 2016)
2,-6-Di-tert-butyl-p-cresol	TWA		10 mg/m <sup>3</sup>	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
2,-6-Di-tert-butyl-p-cresol - Vapor and aerosol, inhalable.	TWA		2 mg/m <sup>3</sup>	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
2,-6-Di-tert-butyl-p-cresol - Inhalable fraction and vapor.			2 mg/m <sup>3</sup>	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2016)
2,-6-Di-tert-butyl-p-cresol - Inhalable fraction and vapor.	TWA		2 mg/m <sup>3</sup>	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
2,-6-Di-tert-butyl-p-cresol - Inhalable fraction and vapor.	8 HR ACL		2 mg/m <sup>3</sup>	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	15 MIN ACL		4 mg/m <sup>3</sup>	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
2,-6-Di-tert-butyl-p-cresol	TWA		10 mg/m <sup>3</sup>	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
2,-6-Di-tert-butyl-p-cresol - Inhalable fraction and vapor.	TWA		2 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (03 2016)
phenol	TWA	5 ppm	19 mg/m <sup>3</sup>	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
phenol	TWA	5 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
phenol		5 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2016)
phenol	TWA	5 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
phenol	8 HR ACL	5 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	15 MIN ACL	7.5 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
phenol	TWA	5 ppm	19 mg/m <sup>3</sup>	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
phenol	TWA	5 ppm		US. ACGIH Threshold Limit Values (03 2016)

**Exposure guidelines**

phenol	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)	Can be absorbed through the skin.
	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)	Can be absorbed through the skin.
	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)	Can be absorbed through the skin.
	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)	Can be absorbed through the skin.
	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)	Can be absorbed through the skin.
	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)	Can be absorbed through the skin.

**Appropriate Engineering Controls**

Provide general and/or local exhaust ventilation to maintain airborne levels below the exposure limits in Section 8. Refer to the current edition of 'Industrial Ventilation: A Manual of Recommended Practice' published by the American Conference of Government Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection:</b>	Use safety glasses (ANSI Z87.1 or approved equivalent).
<b>Skin Protection</b>	
<b>Hand Protection:</b>	Material: butyl rubber gloves Break-through time: 66 min Guideline: EN 374 Additional Information: Gloves should be replaced regularly, especially after extended contact with the product., For each work-place a suitable glove type has to be selected.
<b>Other:</b>	On handling of larger quantities: face mask, chemical-resistant boots and apron
<b>Respiratory Protection:</b>	A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.
<b>Hygiene measures:</b>	Take off all contaminated clothing immediately. Store work clothing separately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

<b>9. Physical and chemical properties</b>
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**Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	colourless
<b>Odor:</b>	ester-like
<b>Odor Threshold:</b>	< 1 ppm
<b>pH:</b>	Not applicable
<b>Freezing point:</b>	-48 °C (methyl methacrylate) -54.4 °F
<b>Boiling Point:</b>	100 °C (1,013 hPa) 212 °F (1,013 hPa)
<b>Flash Point:</b>	10 °C 48 °F (Setaflash Closed Cup) (methyl methacrylate)
<b>Evaporation Rate:</b>	3.1 (butyl acetate = 1)
<b>Flammability (solid, gas):</b>	No data available.

<b>Explosive limit - upper (%):</b>	12.5 %(V) (methyl methacrylate)
<b>Explosive limit - lower (%):</b>	2.1 %(V) (methyl methacrylate)
<b>Vapor pressure:</b>	approx. 40 hPa (20 °C)
<b>Vapor density (air=1):</b>	> 1 20 °C 68 °F
<b>Density:</b>	1.0 g/cm <sup>3</sup> (20 °C) (DIN 51757) (68 °F)
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	approx. 16 g/l (20 °C) (methyl methacrylate) approx. 16 g/l (68 °F)

<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Self Ignition Temperature:</b>	not to be expected, given the composition employed
<b>Decomposition Temperature:</b>	This product is stable under normal storage conditions.
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	50 - 90 mPa.s (23 °C, DIN 53015)   (73 °F)
<b>Other information</b>	
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.
<b>Minimum ignition temperature:</b>	430 °C (DIN 51794) (methyl methacrylate) 806 °F

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	This product is stable under normal storage conditions.
<b>Possibility of hazardous reactions:</b>	May occur when exposed to excessive heating or contaminated with incompatible materials.
<b>Conditions to avoid:</b>	Heat and ignition sources, aging, contamination, oxygen free atmosphere.
<b>Incompatible Materials:</b>	Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing agents and oxidizing agents.
<b>Hazardous Decomposition Products:</b>	None when used as directed.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	Relevant route of exposure. Information on effects are given below.
<b>Skin Contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Eye contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	Headache. Dizziness.
<b>Skin Contact:</b>	May cause allergic skin reaction. May cause skin irritation.
<b>Eye contact:</b>	Causes serious eye irritation.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

<b>Oral Product:</b>	ATEmix: 2,525.25 mg/kg
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**Dermal**  
**Product:** Acute toxicity estimate: > 5,000 mg/kg

**Inhalation**  
**Product:** ATEmix: > 40 mg/l

**Repeated dose toxicity**  
**Product:** No data available.

**Specified substance(s):**  
 Methyl methacrylate NOAEL (Rat, Inhalation(Vapour) ): 25 ppm  
 NOAEL (Rat, Oral): 2000 ppm  
 triethyleneglycol NOAEL (Rat, Oral): 1,000 mg/kg  
 dimethacrylate

**Skin Corrosion/Irritation**  
**Product:** Contact with skin may cause irritations. Properties of components in summary.

**Serious Eye Damage/Eye Irritation**  
**Product:** Contact with the eyes may cause irritation. Properties of components in summary.

**Respiratory or Skin Sensitization**  
**Product:** No data available.

**Specified substance(s):**  
 Methyl methacrylate Local Lymph Node Assay, OECD TG 429 (Mouse): May cause sensitization by skin contact.  
 triethyleneglycol Local Lymph Node Assay (Mouse): Skin sensitizer  
 dimethacrylate  
 N,N-bis-(2-hydroxypropyl)-p-toluidine Not a skin sensitizer.  
 Triisodecylphosphite May cause sensitization by skin contact.  
 N,N-dimethyl-p-toluidine Not a skin sensitizer.  
 Not a respiratory sensitizer

**Carcinogenicity**  
**Product:** There is evidence of carcinogenic effects. Carcinogen Category 2 (UN-GHS)  
 Related to substance: N,N-dimethyl-p-toluidine

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**  
 N,N-dimethyl-p-toluidine Overall evaluation: 2B. Possibly carcinogenic to humans.

**Germ Cell Mutagenicity**
**In vitro**

**Product:** No data available.

**Specified substance(s):**

triethyleneglycol dimethacrylate	Not classified
N,N-bis-(2-hydroxypropyl)-p-toluidine	(OECD TG 471)negative
N,N-dimethyl-p-toluidine	(OECD TG 471)negative

**In vivo**

**Product:** No data available.

**Specified substance(s):**

triethyleneglycol dimethacrylate	Not classified
N,N-bis-(2-hydroxypropyl)-p-toluidine	Ames test: negative

**Reproductive toxicity**

**Product:** Contains no ingredient listed as toxic to reproduction (>0.1%). no evidence for hazardous properties

**Specific Target Organ Toxicity - Single Exposure**

**Product:** May cause respiratory irritation.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s):**

Methyl methacrylate	Not classified
triethyleneglycol dimethacrylate	Not classified
N,N-bis-(2-hydroxypropyl)-p-toluidine	Not classified
Triisodecylphosphite	Not classified
N,N-dimethyl-p-toluidine	Category 2

**Aspiration Hazard**

**Product:** No aspiration toxicity classification

**Other effects:**

There are no toxicological data available for the product as such. Avoid contact with the skin and eyes and inhalation of the product vapours.

**12. Ecological information**
**Ecotoxicity:**
**Acute hazards to the aquatic environment:**
**Fish**

**Product:** No data available.

**Specified substance(s):**

Methyl methacrylate	LC 50 (Oncorhynchus mykiss (rainbow trout), 96 h): > 79 mg/l NOEC (Danio rerio (zebra fish), 32 d): 9.4 mg/l literature
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triethyleneglycol dimethacrylate	LC 50 (Danio rerio (zebra fish), 96 h): 16.4 mg/l
N,N-bis-(2-hydroxypropyl)-p-toluidine	LC 50 (Danio rerio (zebra fish), 96 h): 17 mg/l
N,N-dimethyl-p-toluidine	LC 50 (Pimephales promelas (fathead minnow), 96 h): 46 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

Methyl methacrylate	EC 50 (Daphnia magna (Water flea), 48 h): 69 mg/l NOEC (Daphnia magna (Water flea), 21 d): 37 mg/l
N,N-bis-(2-hydroxypropyl)-p-toluidine	EC 50 (Daphnia magna (Water flea), 48 h): 28.8 mg/l

**Chronic hazards to the aquatic environment:**
**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

triethyleneglycol dimethacrylate	NOEC (Daphnia magna (Water flea), 21 d): 32 mg/l
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**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s):**

Methyl methacrylate	EC 50 (Selenastrum capricornutum (green algae), 72 h): > 100 mg/l NOEC (Selenastrum capricornutum (green algae), 72 h): > 100 mg/l
triethyleneglycol dimethacrylate	EC 50 (Pseudokirchneriella subcapitata (green algae), 72 h): > 100 mg/l NOEC (Pseudokirchneriella subcapitata (green algae), 72 h): 18.6 mg/l
N,N-bis-(2-hydroxypropyl)-p-toluidine	EC 50 (Desmodesmus subspicatus (green algae), 72 h): 245 mg/l

**Persistence and Degradability**
**Biodegradation**

**Product:** (monomer constituent)

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**
**Bioconcentration Factor (BCF)**

**Product:** no evidence for hazardous properties

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** Log Kow: No data available.

**Mobility in soil:** no specific test data available

**Other adverse effects:** Prevent substance from entering soil, natural bodies of water and sewer systems.

### 13. Disposal considerations

**Disposal methods:** Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. **DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.**

**Contaminated Packaging:** No data available.

### 14. Transport information

#### Domestic regulation

##### TDG

UN number : UN 1866  
Proper shipping name : RESIN SOLUTION

Class : 3  
Packing group : II  
Labels : 3  
Marine pollutant : no

#### International Regulations

##### IATA-DGR

UN/ID No. : UN 1866  
Proper shipping name : Resin solution STABILIZED  
Class : 3  
Packing group : II  
Labels : 3  
Packing instruction (cargo aircraft) : 364  
Packing instruction (passenger aircraft) : 353

##### IMDG-Code

UN number : UN 1866  
Proper shipping name : RESIN SOLUTION STABILIZED  
Class : 3  
Packing group : II  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : no

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

<b>15. Regulatory information</b>
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**Canada Federal Regulations**
**List of Toxic Substances (CEPA, Schedule 1)**

Not Regulated

**Export Control List (CEPA 1999, Schedule 3)**

Not Regulated

**National Pollutant Release Inventory (NPRI)**
**Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements**

NPRI PT5                      Not Regulated

**Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)**

NPRI                              Methyl methacrylate

**Greenhouse Gases**

Not Regulated

**Canada. Substances Subject to Significant New Activity (SNAc) Reporting Requirements**

Not Regulated

**Controlled Drugs and Substances Act**

CA CDSI                      Not Regulated

CA CDSII                      Not Regulated

CA CDSIII                      Not Regulated

CA CDSIV                      Not Regulated

CA CDSV                      Not Regulated

CA CDSVII                      Not Regulated

CA CDSVIII                      Not Regulated

**Precursor Control Regulations**

Not Regulated

**Inventory Status:**

Registration, Evaluation and Authorisation of Chemicals (REACH):	preregistered, registered or exempted
US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Canada NDSL Inventory:	Not on Inventory.
Australia AICS:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory

**16. Other information, including date of preparation or last revision****Issue Date:** 07/16/2019**Revision Date:** 07/16/2019: ARGLO\_SUBTYP07/16/2019: ARGLO\_EXCOMP07/16/2019:  
ARGHS\_DOC07/16/2019: ARGHS\_HZ\_ING07/16/2019:  
ARCA\_COMP07/16/2019: ARCA\_SEC1507/16/2019: ARGLO\_REG**Version #:** 1.0**Further Information:** No data available.**Revision Information:** Changes since the last version are highlighted in the margin. This version replaces all previous versions.**Disclaimer:** This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.