Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier
Product Name: Buehler SamplKwick Liquid / SDS# 9101995
SDS Number/Grade: 9101995

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified use(s): Acrylic Hardener

1.3 Details of the supplier of the safety data sheet
Manufacturer: BUEHLER, a division of Illinois Tool Works Inc.
41 Waukegan Road
Lake Bluff, IL 60044
United States
Telephone (Technical): 847-295-6500

1.4 Emergency telephone number
Manufacturer: 800-424-9300 - CHEMTREC

Section 2: Hazards Identification

EU/EEC
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture
CLP
- Flammable Liquids 3 - H226
- Skin Irritation 2 - H315
- Skin Sensitization 1 - H317
- Eye Irritation 2 - H319
- Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
- Hazardous to the aquatic environment Acute 1 - H400

DSD/DPD
- Flammable
- Harmful (Xn)
- Irritant (Xi)
- Dangerous to the Environment (N)
- R10, R21, R36/37/38, R43, R50

2.2 Label Elements
CLP
WARNING

Hazard statements
• H226 - Flammable liquid and vapour
• H315 - Causes skin irritation
• H317 - May cause an allergic skin reaction
• H319 - Causes serious eye irritation
• H335 - May cause respiratory irritation
• H400 - Very toxic to aquatic life

Precautionary statements

Prevention
• P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
• P233 - Keep container tightly closed.
• P240 - Ground and/or bond container and receiving equipment.
• P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
• P242 - Use only non-sparking tools.
• P243 - Take precautionary measures against static discharge.
• P261 - Avoid breathing mists, vapours, and/or spray.
• P264 - Wash thoroughly after handling.
• P271 - Use only outdoors or in a well-ventilated area.
• P272 - Contaminated work clothing should not be allowed out of the workplace.
• P273 - Avoid release to the environment.
• P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response
• P370+P378 - In case of fire: Use appropriate media for extinction.
• P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
• P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
• P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
• P362 - Take off contaminated clothing and wash before reuse.
• P321 - Specific treatment, see supplemental first aid information.
• P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
• P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
• P337+P313 - If eye irritation persists: Get medical advice/attention.
• P391 - Collect spillage.

Storage/Disposal
• P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
• P235 - Keep cool.
• P405 - Store locked up.
• P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD

Risk phrases
• R10 - Flammable.
• R21 - Harmful in contact with skin.
• R36/37/38 - Irritating to eyes, respiratory system and skin.
• R43 - May cause sensitisation by skin contact.
• R50 - Very toxic to aquatic organisms.

Safety phrases
• S24 - Avoid contact with skin.
• S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
• S36 - Wear suitable protective clothing.
• S37 - Wear suitable gloves.
• S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
• S57 - Use appropriate containment to avoid environmental contamination.

2.3 Other Hazards
UN GHS  
According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2.1 Classification of the substance or mixture  
**UN GHS**  
- Flammable Liquids 3  
  Skin Irritation 2  
  Eye Irritation 2

2.2 Label elements  
**UN GHS**

**WARNING**

- Flammable liquid and vapour  
- Causes skin irritation  
- Causes serious eye irritation

Precautionary statements  
**Prevention**  
- Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.  
- Keep container tightly closed.  
- Ground and/or bond container and receiving equipment.  
- Use explosion-proof electrical/ventilating/lighting/equipment.  
- Use only non-sparking tools.  
- Take precautionary measures against static discharge.  
- Wash thoroughly after handling.  
- Wear protective gloves/protective clothing/eye protection/face protection.

**Response**  
- In case of fire: Use appropriate media for extinction.  
- IF ON SKIN: Wash with plenty of soap and water.  
- Take off contaminated clothing and wash before reuse.  
- Specific treatment, see supplemental first aid information.  
- If skin irritation occurs: Get medical advice/attention.  
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
- If eye irritation persists: Get medical advice/attention.

**Storage/Disposal**  
- Store in a well-ventilated place. Keep cool.  
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards  
**UN GHS**  
- According to the Globally Harmonized System for Classification and Labeling (GHS) this product is considered hazardous.

United States (US)  
According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture  
**OSHA HCS 2012**  
- Flammable Liquids 3  
  Skin Irritation 2  
  Eye Irritation 2

2.2 Label elements  
**OSHA HCS 2012**
**WARNING**

**Hazard statements**
- Flammable liquid and vapour
- Causes skin irritation
- Causes serious eye irritation

**Precautionary statements**

**Prevention**
- Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
- Keep container tightly closed.
- Ground and/or bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.

**Response**
- In case of fire: Use appropriate media for extinction.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Take off contaminated clothing and wash before reuse.
- Specific treatment, see supplemental first aid information.
- If skin irritation occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

**Storage/Disposal**
- Store in a well-ventilated place. Keep cool.
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**2.3 Other hazards**

**OSHA HCS 2012**

**Canada**

**According to:** WHMIS

**2.1 Classification of the substance or mixture**

**WHMIS**
- Combustible Liquids - B3
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

**2.2 Label elements**

**WHMIS**
- Combustible Liquids - B3
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

**2.3 Other hazards**

**WHMIS**
- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).
Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
</table>
| Methacrylic acid, isobutyl ester       | CAS:97-86-9 EC Number:202-613-0 EU Index:607-113-0-X | < 90% | NDA       | UN GHS: Flam. Liq. 3; Eye Irrit. 2; Skin Irrit. 2  
EU DSD/DPD: Annex VI, Table 3.2: R10; Xi, R36/37/38; R43; N, R50  
EU CLP: Annex VI, Table 3.1: Flam. Liq. 3, H226; Eye Irrit. 2, H319; STOT SE 3: Resp. Irrit., H335; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400  
OSHA HCS 2012: Flam. Liq. 3; Eye Irrit. 2; Skin Irrit. 2 | NDA |
| 1,3-Propanediol, 2-ethyl-2-hydroxymethyl-, trimethacrylate | CAS:3290-92-4 EINECS:221-950-4 | < 20% | NDA       | UN GHS: Not Classified  
EU DSD/DPD: Not Classified  
EU CLP: Not Classified  
OSHA HCS 2012: Not Classified | NDA |
| p-Toluidine, N,N-dimethyl-              | CAS:99-97-8 EC Number:202-805-4 EU Index:612-056-00-9 | < 3%  | Inhalation-Rat LC50 • 1400 mg/m³ 4 Hour(s)  
Skin-Rabbit LD50 • >2000 mg/kg  
Ingestion/Oral-Rat LD50 • 980 mg/kg | UN GHS: Flam. Liq. 4; Acute Tox. 4 (orl); Acute Tox. 2 (inhl); Eye Irrit. 2; Aquatic Acute 3  
EU DSD/DPD: Annex VI, Table 3.2: T, R23/24/25; R33; R52, R53  
EU CLP: Annex VI, Table 3.1: Acute Tox. 3*, H331; Acute Tox. 3*, H311; Acute Tox. 3*, H301; STOT RE 2*, H373 **; Aquatic Chronic 3, H412  
OSHA HCS 2012: Flam. Liq. 4; Acute Tox. 4 (orl); Acute Tox. 2 (inhl); Eye Irrit. 2 | NDA |

See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing. Wash skin with soap and water. If irritation develops and persists, get medical attention.

Eye
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion
- Do NOT induce vomiting. Give victim a glass of water or milk. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed
- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials...
other than this product may have occurred.

### Section 5 - Firefighting Measures

#### 5.1 Extinguishing media

**Suitable Extinguishing Media**
- Alcohol foam, CO2, dry chemical, foam, water fog.

**Unsuitable Extinguishing Media**
- Do not use a direct stream of water.

#### 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards**
- Containers may explode when heated.
- Vapor explosion hazard indoors, outdoors or in sewers.
- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
- Many liquids are lighter than water.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Runoff to sewer may create fire or explosion hazard.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.

**Hazardous Combustion Products**
- No data available

#### 5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection.
- Wear positive pressure self-contained breathing apparatus (SCBA).
- Move containers from fire area if you can do it without risk.
- LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

### Section 6 - Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions**
- Ventilate the area before entry. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Emergency Procedures**
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas.

#### 6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

#### 6.3 Methods and material for containment and cleaning up

**Containment/Clean-up Measures**
- Stop leak if you can do it without risk.
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- Use clean non-sparking tools to collect absorbed material.
- A vapor suppressing foam may be used to reduce vapors.
- All equipment used when handling the product must be grounded.
- LARGE SPILLS: Dike far ahead of liquid spill for later disposal.
- LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

#### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal
Section 7 - Handling and Storage

7.1 Precautions for safe handling
Handling
- Use only in well ventilated areas. Avoid contact with heat and ignition sources. Do not use sparking tools. Take precautionary measures against static charges. All equipment used when handling the product must be grounded. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapours and/or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities
Storage
- Store in a cool/low-temperature, well-ventilated dry place away from heat and ignition sources. Maintain air space inside storage containers; inhibitor requires air (oxygen) contact to function. Vapors are uninhibited and may form polymers in vents or flame arresters, resulting in blockage of vents. Check inhibitor levels after 6 months and return to original level.

7.3 Specific end use(s)
- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters
Exposure Limits/Guidelines
- No applicable exposure limits available for product or components.

8.2 Exposure controls
Engineering Measures/Controls
- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical/ventilating/lighting/equipment.

Personal Protective Equipment
Respiratory
- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face
- Wear safety goggles.

Skin/Body
- Wear appropriate gloves.

Environmental Exposure Controls
- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>General Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Liquid</td>
<td>Clear liquid with an ester-like odor.</td>
<td>Boiling Point 115 C(239 F) at 1013 hPa</td>
</tr>
</tbody>
</table>
Decomposition Temperature: Data lacking
Specific Gravity/Relative Density: 0.8914 (Water=1)
Viscosity: Data lacking
Oxidizing Properties: Data lacking

Vapor Pressure: 2.11 hPa @ 20°C (68 F)
Vapor Density: > 1 (Air=1 at 20°C)

Flammability:
Flash Point: 49.4°C (120.92°F) (Closed Cup)
UEL: Data lacking
LEL: Data lacking

Environmental:
Octanol/Water Partition coefficient: Data lacking

9.2 Other Information
- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity
- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions
- Hazardous polymerization can occur when not used under normal conditions.

10.4 Conditions to avoid
- Keep away from heat, sparks, and flame.

10.5 Incompatible materials

10.6 Hazardous decomposition products
- None when used as directed.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Components</th>
<th>Acute Toxicity: Ingestion/Oral-Mouse LD50 • 11990 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methacrylic acid, isobutyl ester (&lt; 90%)</td>
<td>97-86-9</td>
</tr>
<tr>
<td>1,3-Propanediol, 2-ethyl-2-hydroxyethyl-, trimethacrylate (&lt; 20%)</td>
<td>3290-92-4</td>
</tr>
<tr>
<td>p-Toluidine, N,N-dimethyl- (&lt; 3%)</td>
<td>99-97-8</td>
</tr>
</tbody>
</table>

| Irritation: Skin-Rabbit • 500 mg • Mild irritation |
| Reproductive: Ingestion/Oral-Rat TDLo • 25 g/kg (6-15D preg); Reproductive Effects: Maternal Effects: Uterus, cervix, vagina; Reproductive Effects: Effects on Fertility: Post-implantation mortality |
| Acute Toxicity: Ingestion/Oral-Mouse TDLo • 250 mg/kg; Behavioral: Somnolence (general depressed activity); Lungs, Thorax, or Respiration: Respiratory depression; Kidney, Ureter, and Bladder: Urine volume decreased; Inhalation-Mouse TCLo • 800 mg/m² 2 Hour(s); Lungs, Thorax, or Respiration: Structural or functional change in trachea or bronchi; Lungs, Thorax, or Respiration: Dyspnea; Mutagen: DNA damage • Ingestion/Oral-Rat • 1082 mg/kg |

Preparation Date: 18/May/2012
Revision Date: 17/July/2015
Format: EU CLP/REACH Language: English (US) WHMIS, UN GHS, EU CLP, EU DSD/DPD, OSHA HCS 2012
<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Data lacking</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Data lacking</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Data lacking</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Data lacking</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>EU/CLP • Skin Irritation 2</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Skin Irritation 2</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Skin Irritation 2</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>EU/CLP • Skin Sensitizer 1</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Data lacking</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Data lacking</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Data lacking</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Data lacking</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>EU/CLP • Data lacking</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Data lacking</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Data lacking</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>EU/CLP • Eye Irritation 2</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012 • Eye Irritation 2</td>
</tr>
<tr>
<td></td>
<td>UN GHS • Eye Irritation 2</td>
</tr>
</tbody>
</table>

Potential Health Effects

Inhalation
- **Acute (Immediate)**: May cause respiratory irritation.
- **Chronic (Delayed)**: No data available.

Skin
- **Acute (Immediate)**: Causes skin irritation. May cause skin sensitization. Symptoms include redness, and skin rash.
- **Chronic (Delayed)**: No data available.

Eye
- **Acute (Immediate)**: Causes serious eye irritation.
Section 12 - Ecological Information

12.1 Toxicity

<table>
<thead>
<tr>
<th>Dosage</th>
<th>Species</th>
<th>Duration</th>
<th>Results</th>
<th>Exposure Conditions</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>42-50.5 mg/L</td>
<td>Fish: Fathead minnow</td>
<td>4 Day(s)</td>
<td>LC50</td>
<td>NDA</td>
<td>p-Toluidine, N,N-dimethyl- (99-97-8)</td>
</tr>
</tbody>
</table>

- Very toxic to aquatic life.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>DOT</th>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UN1993</td>
<td>Flammable liquids, n.o.s. (Isobutyl methacrylate/Trimethylolpropane Trimethacrylate solution)</td>
<td>3</td>
<td>III</td>
<td>NDA</td>
</tr>
</tbody>
</table>
14.6 Special precautions for user

- None specified.

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

- Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications**

- Acute, Fire

<table>
<thead>
<tr>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Propanediol, 2-ethyl-2-hydroxymethyl-, trimethacrylate</td>
</tr>
<tr>
<td>Methacrylic acid, isobutyl ester</td>
</tr>
<tr>
<td>p-Toluidine, N,N-dimethyl-</td>
</tr>
</tbody>
</table>

**Inventory**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>EU EINECS</th>
<th>EU ELNICS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Propanediol, 2-ethyl-2-hydroxymethyl-, trimethacrylate</td>
<td>3290-92-4</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Methacrylic acid, isobutyl ester</td>
<td>97-86-9</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>p-Toluidine, N,N-dimethyl-</td>
<td>99-97-8</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Canada**

**Labor**

**Canada - WHMIS - Classifications of Substances**

- p-Toluidine, N,N-dimethyl- 99-97-8 Not Listed
- 1,3-Propanediol, 2-ethyl-2-hydroxymethyl-, trimethacrylate 3290-92-4 Not Listed
- Methacrylic acid, isobutyl ester 97-86-9 B3

**Canada - WHMIS - Ingredient Disclosure List**

- p-Toluidine, N,N-dimethyl- 99-97-8 Not Listed
- 1,3-Propanediol, 2-ethyl-2-hydroxymethyl-, trimethacrylate 3290-92-4 Not Listed
- Methacrylic acid, isobutyl ester 97-86-9 Not Listed

**Environment**

**Canada - CEPA - Priority Substances List**

- p-Toluidine, N,N-dimethyl- 99-97-8 Not Listed
- 1,3-Propanediol, 2-ethyl-2-hydroxymethyl-, trimethacrylate 3290-92-4 Not Listed
- Methacrylic acid, isobutyl ester 97-86-9 Not Listed

**United States**

**Labor**

**U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

- p-Toluidine, N,N-dimethyl- 99-97-8 Not Listed
### U.S. - OSHA - Specifically Regulated Chemicals

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>Status</th>
</tr>
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<tbody>
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### Environment

#### U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

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#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

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#### U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

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#### U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

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#### U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

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#### U.S. - CERCLA/SARA - Section 313 - Emission Reporting

<table>
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<tbody>
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#### U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

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### United States - California

#### Environment

#### U.S. - California - Proposition 65 - Carcinogens List

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>p-Toluidine, N,N-dimethyl-</td>
<td>99-97-8</td>
<td>carcinogen, initial date 5/2/14</td>
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<tr>
<td>1,3-Propanediol, 2-ethyl-2-hydroxymethyl-, trimethacrylate</td>
<td>3290-92-4</td>
<td>Not Listed</td>
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#### U.S. - California - Proposition 65 - Developmental Toxicity

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15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

15.3 Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H301 - Toxic if swallowed
- H311 - Toxic in contact with skin
- H331 - Toxic if inhaled
- H332 - May cause damage to organs through prolonged or repeated exposure.
- H412 - Harmful to aquatic life with long lasting effects
- R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
- R33 - Danger of cumulative effects.
- R52 - Harmful to aquatic organisms.
- R53 - May cause long-term adverse effects in the aquatic environment.

Last Revision Date

- 17/July/2015

Preparation Date

- 18/May/2012

Disclaimer/Statement of Liability

- To the best of our knowledge, the information contained in this SDS is accurate or is obtained from sources believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein. Buyer assumes liability in its use of the material.