

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

**1.1 Product identifier**

**Product Name** • Alpha MicroCap A

**Product Description** • Green film.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified use(s)** • Photostencil film

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer** • IKONICS Corporation  
 4832 Grand Ave.  
 Duluth, MN 55807  
 United States  
 www.ikonics.com  
 sds@ikonics.com

**Telephone (General)** • (218) 628-2217

**Telephone (General)** • (800) 328-4261 - Toll free

**1.4 Emergency telephone number**

**Chemtrec** • 1-800-424-9300 - Within USA and Canada  
 • +1 703-527-3887 - Outside USA and Canada (collect calls accepted)

**Section 2: Hazards Identification**

**EU/EEC**

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 2015/830]

**2.1 Classification of the substance or mixture**

**CLP** • Skin Sensitization 1 - H317  
 EUH208

**2.2 Label Elements**

**CLP**

**WARNING**



**Hazard statements** • H317 - May cause an allergic skin reaction  
 EUH208 - Contains sensitizing substance (aromatic acrylate; Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol; 4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer; Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)). May produce an allergic reaction.

**Precautionary statements**

**Prevention** • P261 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P321 - Specific treatment, see supplemental first aid information.  
P363 - Wash contaminated clothing before reuse.

**Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other Hazards

CLP • No data available

---

## UN GHS

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Seventh Revised Edition

### 2.1 Classification of the substance or mixture

UN GHS • Skin Sensitization 1  
Skin Mild Irritation 3

### 2.2 Label elements

UN GHS

#### WARNING



**Hazard statements** • May cause an allergic skin reaction  
Causes mild skin irritation

#### Precautionary statements

**Prevention** • Avoid breathing dust, fume, gas, mist, vapors and/or spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Specific treatment, see supplemental first aid information.  
Wash contaminated clothing before reuse.

**Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### 2.3 Other hazards

UN GHS • No data available

---

## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

OSHA HCS 2012 • Skin Sensitization 1

### 2.2 Label elements

OSHA HCS 2012

#### WARNING



**Hazard statements** • May cause an allergic skin reaction

#### Precautionary

## statements

**Prevention** • Avoid breathing dust, fume, gas, mist, vapors and/or spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • If skin irritation or rash occurs: Get medical advice/attention.  
Specific treatment, see supplemental first aid information.  
Wash contaminated clothing before reuse.

**Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other hazards

OSHA HCS 2012 • No data available

## Canada

According to: WHMIS 2015

### 2.1 Classification of the substance or mixture

WHMIS 2015 • Skin Sensitization 1

### 2.2 Label elements

WHMIS 2015

#### WARNING



**Hazard statements** • May cause an allergic skin reaction

#### Precautionary statements

**Prevention** • Avoid breathing dust, fume, gas, mist, vapors and/or spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.

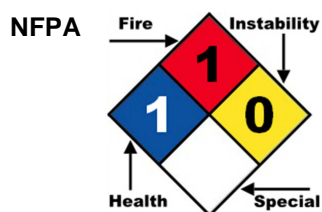
**Response** • If skin irritation or rash occurs: Get medical advice/attention.  
Specific treatment, see supplemental first aid information.  
Wash contaminated clothing before reuse.

**Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other hazards

WHMIS 2015 • No data available

## 2.4 Other information



See Section 12 for Ecological Information.

## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

### 3.2 Mixtures

| Composition   |  |              |           |                                      |  |
|---|--|--------------|-----------|--------------------------------------|--|
| Chemical Name   | Identifiers  | %            | Hazardous | LD50/LC50                            | Classifications According to Regulation/Directive  |
| aromatic acrylate   |  | 3% TO 6%     | Yes       |                                      | <b>GHS / CLP / OSHA / WHMIS:</b> Skin irrit. 2; Eye irrit. 2; Skin sens. 1   |
| Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | <b>CAS:</b> 15625-89-5<br><b>EC Number:</b> 239-701-3<br><b>EU Index:</b> 607-111-00-9<br><b>EINECS:</b> 239-701-3 | 2% TO 5%     | Yes       | Ingestion/Oral-Rat LD50 • 5190 µL/kg | <b>GHS / CLP / OSHA / WHMIS:</b> Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1  |
| 4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | <b>CAS:</b> 41432-19-3   | 0.5% TO 1%   | Yes       |                                      | <b>GHS / CLP / OSHA / WHMIS:</b> Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Acute Tox. Oral 4; STOT SE 3: Resp. Irrit. |
| Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | <b>CAS:</b> 162881-26-7<br><b>EC Number:</b> 423-340-5<br><b>EU Index:</b> 015-189-00-5                            | 0.1% TO 0.3% | Yes       |                                      | <b>GHS / CLP:</b> Skin Sens. 1; Aquatic Chronic 3<br><b>OSHA / WHMIS:</b> Skin Sens. 1                                 |

See Section 11 for Toxicological Information.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

- Inhalation**
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call 911 or emergency medical service.
- Skin**
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- Eye**
- 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.
- Ingestion**
- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth. Never give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately.

### 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

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

**Suitable Extinguishing Media**

- SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.
- LARGE FIRE: Water spray, fog or regular foam.

**Unsuitable Extinguishing Media**

- No data available

**Firefighting Procedures**

- LARGE FIRES: Use extinguishing agent suitable for type of surrounding fire. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep unauthorized personnel away. Ventilate closed spaces before entering.

## 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards** • Some of these materials may burn, but none ignite readily.

**Hazardous Combustion Products** • Products of combustion include: carbon oxides (COx).

## 5.3 Advice for firefighters

- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.  
Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

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

**Personal Precautions** • Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

**Emergency Procedures** • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

### 6.2 Environmental precautions

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

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

**Containment/Clean-up Measures** • Use appropriate Personal Protective Equipment (PPE)  
No special precautions or procedures are necessary.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

**Handling** • Use good safety and industrial hygiene practices.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage** • Keep container closed when not in use. Store in a cool, dry place.

### 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 Control Notations

Germany DFG

•Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (15625-89-5): **Sensitizers:** (skin sensitizer)

### 8.2 Exposure controls

**Engineering Measures/Controls** • Local exhaust is recommended but not required. Provide adequate ventilation as necessary.

#### Personal Protective Equipment

##### Pictograms



#### Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

- Eye/Face** • Wear protective eyewear (goggles, face shield, or safety glasses).
- Hands** • Wear protective gloves - rubber or neoprene.
- Skin/Body** • Wear protective clothing - apron or other impervious body coverings.
- General Industrial Hygiene Considerations** • Handle in accordance with good industrial hygiene and safety practice.
- Environmental Exposure Controls** • No data available

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

| Material Description                  |                    |                                     |                   |
|---------------------------------------|--------------------|-------------------------------------|-------------------|
| Physical Form                         | Solid              | Appearance/Description              | Film              |
| Color                                 | Green              | Odor                                | Mild              |
| Taste                                 | No data available. | Odor Threshold                      | No data available |
| Physical and Chemical Properties      | Not relevant       |                                     |                   |
| General Properties                    |                    |                                     |                   |
| Boiling Point                         | Not relevant       | Melting Point/Freezing Point        | No data available |
| Decomposition Temperature             | No data available  | pH                                  | Not relevant      |
| Specific Gravity/Relative Density     | Not relevant       | Density                             | No data available |
| Water Solubility                      | Dispersible        | Viscosity                           | Not relevant      |
| Explosive Properties                  | Not relevant       | Oxidizing Properties:               | Not relevant      |
| Volatility                            |                    |                                     |                   |
| Vapor Pressure                        | Not relevant       | Vapor Density                       | Not relevant      |
| Evaporation Rate                      | Not relevant       |                                     |                   |
| Flammability                          |                    |                                     |                   |
| Flash Point                           | Not relevant       | UEL                                 | Not relevant      |
| LEL                                   | Not relevant       | Autoignition                        | Not relevant      |
| Flammability (solid, gas)             | Combustible solid. |                                     |                   |
| Environmental                         |                    |                                     |                   |
| Half-Life                             | No data available  | Octanol/Water Partition coefficient | No data available |
| Coefficient of water/oil distribution | No data available  | Bioaccumulation Factor              | No data available |
| Bioconcentration Factor               | No data available  | Biochemical Oxygen Demand BOD/BOD5  | No data available |
| Chemical Oxygen Demand                | No data available  | Persistence                         | No data available |
| Degradation                           | No data available  |                                     |                   |

### 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

- UV reactive.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Excess heat.

### 10.5 Incompatible materials

- No data available

### 10.6 Hazardous decomposition products

- No decomposition is expected under normal storage and use conditions. Hazardous

decomposition products formed under fire conditions - carbon oxides (COx).

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

| Components   |            |   |
|--|------------|---|
| Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (2% TO 5%) | 15625-89-5 | <b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 5190 µL/kg;<br><b>Irritation:</b> Eye-Rabbit • 100 mg • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation |

| GHS Properties            | Classification  |
|---------------------------|---|
| Skin corrosion/Irritation | <b>EU/CLP</b> •<br><b>UN GHS</b> •Skin Mild Irritation 3<br><b>OSHA HCS 2012</b> •  |
| Skin sensitization        | <b>EU/CLP</b> •Skin Sensitizer 1<br><b>UN GHS</b> •Skin Sensitizer 1<br><b>OSHA HCS 2012</b> •Skin Sensitizer 1<br><b>Canada WHMIS 2015</b> • Skin Sensitizer 1 |

**Route(s) of entry/exposure**

- Skin, Eye

#### Potential Health Effects

##### Inhalation

**Acute (Immediate)** • Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)** • No specific information available.

##### Skin

**Acute (Immediate)** • May cause mild irritation. May cause an allergic skin reaction.

**Chronic (Delayed)** • Repeated and prolonged exposure may cause irritation. Repeated and prolonged exposure may cause sensitization.

##### Eye

**Acute (Immediate)** • May cause mild irritation.

**Chronic (Delayed)** • Repeated and prolonged exposure may cause irritation.

##### Ingestion

**Acute (Immediate)** • May cause irritation.

**Chronic (Delayed)** • No specific information available.

## Section 12 - Ecological Information

### 12.1 Toxicity

| Components  |             |  |
|---|-------------|--|
| Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl) (0.1% TO 0.3%) | 162881-26-7 | <b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Brachydanio rerio</i> 0.09 mg/kg<br><b>Aquatic Toxicity-Crustacea:</b> 48 Hour(s) EC50 <i>Daphnia magna</i> 1.175 mg/kg |

### 12.2 Persistence and degradability

- No data available

### 12.3 Bioaccumulative potential

- No data available

## 12.4 Mobility in Soil

- No data available

## 12.5 Results of PBT and vPvB assessment

- No data available

## 12.6 Other adverse effects

### Section 13 - Disposal Considerations

#### 13.1 Waste treatment methods

##### Product waste

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

##### Packaging waste

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

#### 13.2 Other Information

- Dispose of wastes in an approved waste disposal facility.

### Section 14 - Transport Information

|           | 14.1 UN number | 14.2 UN proper shipping name | 14.3 Transport hazard class(es) | 14.4 Packing group | 14.5 Environmental hazards |
|-----------|----------------|------------------------------|---------------------------------|--------------------|----------------------------|
| DOT       | NDA            | NDA                          | NDA                             | NDA                | NDA                        |
| IMO/IMDG  | NDA            | NDA                          | NDA                             | NDA                | NDA                        |
| IATA/ICAO | NDA            | NDA                          | NDA                             | NDA                | NDA                        |

#### 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

- Not relevant.

#### 14.8 Other information

DOT • Not regulated.

IMO/IMDG • Not regulated.

IATA/ICAO • Not regulated.

### Section 15 - Regulatory Information

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

##### SARA Hazard Classifications • Acute

| Inventory   |             |                |            |             |             |                   |
|---|-------------|----------------|------------|-------------|-------------|-------------------|
| Component   | CAS         | Australia AICS | Canada DSL | Canada NDSL | China       | EU EINECS         |
| 4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Yes            | No         | Yes         | No          | No                |
| Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | Yes            | Yes        | No          | Yes         | Yes               |
| Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Yes            | Yes        | No          | Yes         | No                |
| Inventory (Con't.)  |             |                |            |             |             |                   |
| Component   | CAS         | EU ELNICS      | Japan ENCS | Korea KECL  | New Zealand | Philippines PICCS |



|   |             |     |     |     |     |     |
|---|-------------|-----|-----|-----|-----|-----|
| 4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | No  | Yes | Yes | Yes | Yes |
| Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | No  | Yes | Yes | Yes | Yes |
| Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Yes | Yes | No  | Yes | Yes |

#### Inventory (Con't.)

| Component   | CAS         | Switzerland SWISS | TSCA |
|---|-------------|-------------------|------|
| 4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | No                | Yes  |
| Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | No                | Yes  |
| Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Yes               | Yes  |

## Australia

### Labor

#### Australia - List of Designated Hazardous Substances - Classification

|  |             |                |
|--|-------------|----------------|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | Xi R36/38, R43 |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | R43, R53       |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed     |

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

|  |             |            |
|--|-------------|------------|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | D2B        |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Not Listed |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed |

## Europe

### Other

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

|  |             |                |
|--|-------------|----------------|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | Xi; R36/38 R43 |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | R43 R53        |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed     |

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

|  |             |                              |
|--|-------------|------------------------------|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | Xi R:36/38-43 S:(2)-39       |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Xi R:43-53 S:(2)-22-24-37-61 |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed                   |

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

|  |             |            |
|--|-------------|------------|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | D          |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Not Listed |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed |

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

|  |             |                   |
|--|-------------|-------------------|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | S:(2)-39          |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | S:(2)-22-24-37-61 |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed        |

## Germany

### Environment

#### Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

|  |             |   |
|--|-------------|---|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | ID Number 1845, hazard class 1 - low hazard to waters |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Not Listed  |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed  |

#### Germany - Water Classification (VwVwS) - Annex 3

|  |             |   |
|--|-------------|---|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | Not Listed<br>ID Number 2126, hazard class 1 - low hazard to waters |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Not Listed  |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed  |

### Japan

#### Other

##### Japan - Chemical Substance Control Law (CSCL) - Examined Existing Chemical Substances

|  |             |  |
|--|-------------|--|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | Non-biodegradable/Low bioconcentration |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Not Listed                             |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed                             |

##### Japan - Fire Service Law - Hazardous Materials

|  |             |  |
|--|-------------|--|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | Group 4 - Flammable liquids III (listed under 3rd Class petroleum - insoluble) |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | Not Listed   |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed   |

### Korea

#### Labor

##### Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances

|  |             |            |
|--|-------------|------------|
| •Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol | 15625-89-5  | Not Listed |
| •Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)                  | 162881-26-7 | (0485)     |
| •4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer           | 41432-19-3  | Not Listed |

## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## 15.3 Other Information

- California Proposition 65: This product can expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm:

|             |                |           |
|-------------|----------------|-----------|
| 1,4-dioxane | CAS #123-91-1  | <0.00008% |
| Toluene     | CAS # 108-88-3 | <0.003%   |

## Section 16 - Other Information

#### Relevant Phrases (code & full text)

- EUH208 - Contains sensitizing substance (aromatic acrylate; Acrylic acid, triester with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol; 4-Diazodiphenylamine hydrogen sulfate, formaldehyde polymer; Phosphine oxide, phenylbis (2,4,6-trimethyl benzoyl)). May produce an allergic reaction.  
H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
P261 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P321 - Specific treatment, see supplemental first aid information.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.  
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Classification method for mixtures

- Calculation method.

- Last Revision Date** • 06 April 2016
- Preparation Date** • 02 August 2018
- Other Information** • Approved by: Troy Bergstedt, Director of Chemical Research, (218) 628-2217 ext.142.
- Disclaimer/Statement of Liability** • The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under direct supervision, no representation is made that the information is accurate, reliable, complete, or representative and Buyer may rely thereon only at the Buyer's risk. We make no guarantee that the health and safety precautions we have suggested will be adequate for all individuals and / or situations involving its handling and uses. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.