SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : VE-SR-CLEAR
Product code : VE-SR-CLEAR
Other means of identification : VE-SR-CLEAR/50, VE-SR-CLEAR/5SF

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Protective Industrial Polymers
7875 Bliss Parkway
North Ridgeville, Ohio 44039 - USA-Ohio
T 440-327-0015
www.protectpoly.com

1.4. Emergency telephone number

Emergency number : Chemtrec: 800-427-9300 (Outside USA) 703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification
Flammable liquids Category 3 H226
Acute toxicity (oral) Category 4 H302
Skin corrosion/irritation Category 2 H315
Serious eye damage/eye irritation Category 2A H319
Carcinogenicity Category 2 H351
Specific target organ toxicity (single exposure) Category 3 H335

Full text of H statements : see section 16

2.2. Label elements

GHS-US labeling
Hazard pictograms (GHS-US) :

GHS02  GHS07  GHS08

Signal word (GHS-US) : Warning
Contains : cobalt(II) ethylhexanoate; Styrene; Methacrylic Acid
Hazard statements (GHS-US) : H226 - Flammable liquid and vapor
                                   H302 - Harmful if swallowed
                                   H315 - Causes skin irritation
                                   H319 - Causes serious eye irritation
                                   H335 - May cause respiratory irritation
                                   H351 - Suspected of causing cancer

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use
                                   P202 - Do not handle until all safety precautions have been read and understood
                                   P210 - Keep away from sparks. - No smoking
                                   P233 - Keep container tightly closed
                                   P240 - Ground/bond container and receiving equipment
                                   P241 - Use explosion-proof electrical equipment
### P220 - Use only non-sparking tools
### P223 - Take precautionary measures against static discharge
### P261 - Avoid breathing vapors
### P264 - Wash hands, forearms and face thoroughly after handling
### P266 - Do not eat, drink or smoke when using this product
### P267 - Use only outdoors or in a well-ventilated area
### P268 - Wear protective clothing
### P301+P312 - If swallowed: Call a POISON CENTER if you feel unwell
### P302+P352 - If on skin: Wash with plenty of soap
### P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
### P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
### P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
### P308+P313 - If exposed or concerned: Get medical advice/attention
### P312 - Call a doctor if you feel unwell
### P321 - Specific treatment (see on this label)
### P330 - Rinse mouth
### P332+P313 - If skin irritation occurs: Get medical advice/attention
### P337+P313 - If eye irritation persists: Get medical advice/attention
### P362+P364 - Take off contaminated clothing and wash it before reuse
### P370+P378 - In case of fire: Use to extinguish
### P405 - Store locked up
### P501 - Dispose of contents/container to in accordance with local regulations

#### 2.3. Other hazards
No additional information available

#### 2.4. Unknown acute toxicity (GHS US)
Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substance
Not applicable

#### 3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methacrylic Acid</td>
<td>(CAS No) 79-41-4</td>
<td>0 - 5</td>
<td>Flam. Liq. 4, H227, Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311</td>
</tr>
<tr>
<td>cobalt(II) ethylhexanoate</td>
<td>(CAS No) 136-52-7</td>
<td>0 - 0.1</td>
<td>Carc. 2, H351</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general: IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after skin contact: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: 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.

First-aid measures after ingestion: Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Irritation.

Symptoms/injuries after eye contact: Eye irritation.
4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
Fire hazard: Highly flammable liquid and vapor.
Reactivity: Highly flammable liquid and vapor.

5.3. Advice for firefighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapors. Avoid contact with skin and eyes.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing vapors. Avoid contact with skin and eyes.
Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Ground/bond container and receiving equipment.
Storage conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>cobalt(II) ethylhexanoate (136-52-7)</th>
<th>ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th>20 ppm (Styrene, monomer; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>cobalt(II) ethylhexanoate (136-52-7)</td>
<td>ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>40 ppm (Styrene, monomer; USA; Short time value; TLV - Adopted Value)</td>
</tr>
<tr>
<td>cobalt(II) ethylhexanoate (136-52-7)</td>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>CNS impair; URT irr; peripheral</td>
</tr>
</tbody>
</table>
**VE-SR-CLEAR**

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Styrene (100-42-5)

<table>
<thead>
<tr>
<th>OSHA</th>
<th>Remark (OSHA)</th>
<th>(2) See Table Z-2.</th>
</tr>
</thead>
</table>

### Methacrylic Acid (79-41-4)

<table>
<thead>
<tr>
<th>ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th>20 ppm (Methacrylic acid; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Skin &amp; eye irr</td>
</tr>
</tbody>
</table>

#### 8.2. Exposure controls

- **Appropriate engineering controls**: Ensure good ventilation of the work station.
- **Hand protection**: Protective gloves.
- **Eye protection**: Safety glasses.
- **Skin and body protection**: Wear suitable protective clothing.
- **Respiratory protection**: In case of insufficient ventilation, wear suitable respiratory equipment.
- **Environmental exposure controls**: Avoid release to the environment.

#### SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- **Physical state**: Liquid
- **Color**: Clear
- **Odor**: Styrene characteristic
- **Odor threshold**: No data available
- **pH**: No data available
- **Melting point**: Not applicable
- **Freezing point**: No data available
- **Boiling point**: ≈ 293 °F
- **Flash point**: ≈ 82 °F
- **Relative evaporation rate (butyl acetate=1)**: No data available
- **Flammability (solid, gas)**: No data available
- **Explosion limits**: No data available
- **Explosive properties**: No data available
- **Oxidizing properties**: No data available
- **Vapor pressure**: No data available
- **Relative density**: No data available
- **Relative vapor density at 20 °C**: No data available
- **Solubility**: Water: Solubility in water of component(s) of the mixture:
  - N,N-dimethylaniline: 0.12 g/100ml (20 °C) • 4.03 g/100ml (20 °C)
  - Stoddard solvent: insoluble • 0.030 g/100ml • 9.8 g/100ml (20 °C) • 45 g/100ml • >= 100 g/100ml (20 °C)
- **Log Pow**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Viscosity**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: No data available

### 9.2. Other information

No additional information available

#### SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions.
### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Acute toxicity**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>VE-SR-CLEAR</td>
<td>Oral</td>
<td>1183.703 mg/kg body weight</td>
</tr>
<tr>
<td>cobalt(II) ethylhexanoate (136-52-7)</td>
<td>Oral</td>
<td>3129 mg/kg body weight (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value)</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>&gt; 2000 mg/kg body weight (Rat; Weight of evidence; OECD 402: Acute Dermal Toxicity)</td>
</tr>
<tr>
<td></td>
<td>Oral</td>
<td>3129.000 mg/kg body weight</td>
</tr>
<tr>
<td>Styrene (100-42-5)</td>
<td>Oral</td>
<td>5000 mg/kg (Rat; Literature study; &gt;6000 mg/kg bodyweight; Rat; Weight of evidence)</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>2820 mg/kg (Rat; Literature study; OECD 402: Acute Dermal Toxicity; &gt;2000 mg/kg bodyweight; Rat; Experimental value)</td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
<td>5010 mg/kg (Rabbit; Literature study)</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>12 mg/l/4h (Rat; Literature study)</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>2770 ppm/4h (Rat; Literature study)</td>
</tr>
<tr>
<td></td>
<td>Oral</td>
<td>500.000 mg/kg body weight</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>2820.000 mg/kg body weight</td>
</tr>
<tr>
<td>Methacrylic Acid (79-41-4)</td>
<td>Oral</td>
<td>1060 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value; 1320 mg/kg bodyweight; Rat)</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>500 mg/kg body weight (Rabbit; Experimental value; Other; 500-1000 mg/kg bodyweight; Rabbit)</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>7 mg/l/4h (Rat)</td>
</tr>
<tr>
<td></td>
<td>Oral</td>
<td>1060.000 mg/kg body weight</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>500.000 mg/kg body weight</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization**

Not classified

**Germ cell mutagenicity**

Not classified

**Carcinogenicity**

Suspected of causing cancer.

#### cobalt(II) ethylhexanoate (136-52-7)

| IARC group | 2B - Possibly carcinogenic to humans |

#### Styrene (100-42-5)

| IARC group | 2B - Possibly carcinogenic to humans |

| National Toxicology Program (NTP) Status | 3 - Reasonably anticipated to be Human Carcinogen |

**Reproductive toxicity**

Not classified
Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Irritation.

Symptoms/injuries after eye contact : Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

**cobalt(II) ethylhexanoate (136-52-7)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>46.51 mg/l (LOEC; ASTM; 96 h; Pimephales promelas; Flow-through system; Fresh water; Read-across)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>0.212 mg/l (NOEC; ASTM; 48 h; Ceriodaphnia dubia; Static system; Salt water; Read-across)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>54.1 mg/l (LC50; ASTM; 96 h; Pimephales promelas; Flow-through system; Fresh water; Read-across)</td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
<td>0.605 mg/l (LC50; ASTM; 48 h; Ceriodaphnia dubia; Static system; Salt water; Read-across)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>144 μg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Read-across)</td>
</tr>
<tr>
<td>Threshold limit algae 2</td>
<td>32.2 μg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Read-across)</td>
</tr>
</tbody>
</table>

**Methacrylic Acid (79-41-4)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 2</td>
<td>85 mg/l (LC50; EPA OTS 797.1400; 96 h; Salmo gairdneri; Flow-through system; Fresh water; Experimental value)</td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
<td>&gt; 130 mg/l (EC50; EPA OTS 797.1300; 48 h; Daphnia magna; Flow-through system; Fresh water; Experimental value)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>45 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Static system; Fresh water; Experimental value)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

**cobalt(II) ethylhexanoate (136-52-7)**

Persistence and degradability : Readily biodegradable in water. No (test)data on mobility of the substance available.

**Styrene (100-42-5)**


<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>2.80 g O₂/g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>3.07 g O₂/g substance</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>0.42</td>
</tr>
</tbody>
</table>

**Methacrylic Acid (79-41-4)**


<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>0.89 g O₂/g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>1.67 g O₂/g substance</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>0.5329 (Calculated value)</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

**VE-SR-CLEAR**

Bioaccumulative potential : No test data available.

**cobalt(II) ethylhexanoate (136-52-7)**

BCF fish 1 : 1.2 (BCF; 131 days; Seriola quinqueradiata; Static system; Salt water; Read-across)

Bioaccumulative potential : Low potential for bioaccumulation (BCF < 500).
### Styrene (100-42-5)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
<td>35.5 (BCF)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>2.96 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
</tbody>
</table>

### Methacrylic Acid (79-41-4)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF other aquatic organisms 1</td>
<td>3 (BCF)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>0.93 (Experimental value; 22 °C)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

### Mobility in soil

<table>
<thead>
<tr>
<th>Compound</th>
<th>Surface tension</th>
<th>Log Koc</th>
</tr>
</thead>
<tbody>
<tr>
<td>cobalt(II) ethylhexanoate (136-52-7)</td>
<td>0.064 N/m (20 °C; 1 g/l)</td>
<td>Koc,352; Estimated value; log Koc; 2.55; Estimated value</td>
</tr>
<tr>
<td>Styrene (100-42-5)</td>
<td>0.032 N/m (19 °C)</td>
<td></td>
</tr>
<tr>
<td>Methacrylic Acid (79-41-4)</td>
<td>0.0659 N/m (20 °C; 1.01 g/l)</td>
<td></td>
</tr>
</tbody>
</table>

### Other adverse effects

Effect on the global warming: No known ecological damage caused by this product.

### SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information: Flammable vapors may accumulate in the container.

### SECTION 14: Transport information

Department of Transportation (DOT)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport document description</td>
<td>UN1866 Resin solution (flammable), 3, III</td>
</tr>
<tr>
<td>UN-No.(DOT)</td>
<td>UN1866</td>
</tr>
<tr>
<td>Proper Shipping Name (DOT)</td>
<td>Resin solution flammable</td>
</tr>
<tr>
<td>Class (DOT)</td>
<td>3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120</td>
</tr>
<tr>
<td>Hazard labels (DOT)</td>
<td>3 - Flammable liquid</td>
</tr>
</tbody>
</table>

Packing group (DOT): III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173.xxx): 173

DOT Packaging Bulk (49 CFR 173.xxx): 242
### DOT Special Provisions (49 CFR 172.102)
- **B1**: If the material has a flash point at or above 38°C (100°F) and below 93°C (200°F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38°C (100°F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.
- **B52**: Notwithstanding the provisions of 173.24b of this subchapter, non-reclamping pressure relief devices are authorized on DOT 57 portable tanks.
- **IB3**: Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50°C (1.1 bar at 122°F), or 130 kPa at 55°C (1.3 bar at 131°F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
- **T2**: The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

### DOT Packaging Exceptions (49 CFR 173.xxx)
- **150**

### DOT Quantity Limitations
- **Passenger aircraft/rail (49 CFR 173.27)**: 60 L
- **Cargo aircraft only (49 CFR 175.75)**: 220 L

### DOT Vessel Stowage Location
- **A**: The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.

### Emergency Response Guide (ERG) Number
- 127

### Other information
- No supplementary information available.

### TDG
- No additional information available.

### Transport by sea
- No additional information available.

### Air transport
- No additional information available.

## SECTION 15: Regulatory information
### 15.1. US Federal regulations

#### VE-SR-CLEAR
- Listed on the United States TSCA (Toxic Substances Control Act) inventory.
- SARA Section 311/312 Hazard Classes:
  - Fire hazard
  - Immediate (acute) health hazard
  - Delayed (chronic) health hazard

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Chemical(s)</th>
<th>CAS No</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>100-42-5</td>
<td>25 - 40%</td>
</tr>
<tr>
<td>cobalt(II) ethylhexanoate (136-52-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methacrylic Acid (79-41-4)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Styrene (100-42-5)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory.

<table>
<thead>
<tr>
<th>CERCLA RQ</th>
<th>1000 lb</th>
</tr>
</thead>
</table>

#### Methacrylic Acid (79-41-4)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory.

### 15.2. International regulations
#### CANADA
- **WHMIS Classification**
  - Class B Division 2 - Flammable Liquid
  - Class D Division 2 Subdivision B - Toxic material causing other toxic effects

#### EU-Regulations
- No additional information available.
National regulations

Styrene (100-42-5)
Listed on IARC (International Agency for Research on Cancer)
Listed as carcinogen on NTP (National Toxicology Program)

15.3. US State regulations

Styrene (100-42-5)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Methacrylic Acid (79-41-4)
U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information

Disclaimer: This SDS to the best of our knowledge conforms to the requirements of OSHA 20 CFR 1910.1200 and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must review the SDS in the context of how the product will be handled and used in the workplace.

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H-Phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H226</td>
<td>Flammable liquid and vapor</td>
</tr>
<tr>
<td>H227</td>
<td>Combustible liquid</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
</tbody>
</table>

NFPA health hazard

2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity

2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.

HMIS III Rating

Health
2 - Moderate Hazard - Temporary or minor injury may occur

Flammability
3 - Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)

Physical
2 - Moderate Hazard - Materials that are unstable and may undergo violent chemical changes at normal temperature and pressure with low risk for explosion. Materials may react violently with water or form peroxides upon exposure to air.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product