# SECTION 1: Identification

## 1.1 Identification

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product form</td>
<td>Mixture</td>
</tr>
<tr>
<td>Product name</td>
<td>2100UV-A</td>
</tr>
<tr>
<td>Product code</td>
<td>2100UV-A</td>
</tr>
<tr>
<td>Other means of identification</td>
<td>2100UV-A/QT, 2100UV-A/HG</td>
</tr>
</tbody>
</table>

## 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: 800427-9300 (Outside USA) 703-527-3887

# SECTION 2: Hazard(s) identification

## 2.1 Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Hazard (GHS-US)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation, Category 2</td>
<td>H315</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation, Category 2A</td>
<td>H319</td>
</tr>
<tr>
<td>Sensitisation — Skin, Category 1</td>
<td>H317</td>
</tr>
</tbody>
</table>

Full text of H statements: see section 16

## 2.2 Label elements

### GHS-US labelling

- **Signal word (GHS-US):** Warning
- **Contains:** dibutyltin dilaurate
- **Hazard statements (GHS-US):**
  - H315 - Causes skin irritation
  - H317 - May cause an allergic skin reaction
  - H319 - Causes serious eye irritation
- **Precautionary statements (GHS-US):**
  - P261 - Avoid breathing vapours
  - P264 - Wash hands thoroughly after handling
  - P272 - Contaminated work clothing must not be allowed out of the workplace
  - P280 - Wear protective clothing
  - P302+P352 - If on skin: Wash with plenty of soap
  - P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  - P321 - Specific treatment (see Call a doctor if symptoms persist. on this label)
  - P332+P313 - If skin irritation occurs: Get medical advice/attention
  - P333+P313 - If skin irritation or rash 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
  - P363 - Wash contaminated clothing before reuse
  - P501 - Dispose of contents/container to in accordance with local regulations

## 2.3 Other hazards

No additional information available
2100UV-A
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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>
</table>
| dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol | (CAS No) 88917-22-0 | 75 - 85 | Flam. Liqu. 4, H227  
                                 |                    |     | Skin Irrit. 2, H315  
                                 |                    |     | Eye Irrit. 2A, H319   |
| dibutyltin dilaurate      | (CAS No) 77-58-7   | 0 - 1 | Skin Corr. 1C, H314  
                                 |                    |     | Eye Dam. 1, H318  
                                 |                    |     | Skin Sens. 1, H317  
                                 |                    |     | Repr. 1B, H360  
                                 |                    |     | STOT RE 1, H372  
                                 |                    |     | Aquatic Acute 1, H400  
                                 |                    |     | Aquatic Chronic 1, H410 |

Full text of H-statements: 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.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash 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 : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after skin contact : Irritation. May cause an allergic skin reaction.
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 : Combustible liquid.
Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters
Firefighting instructions : Eliminate all ignition sources if safe to do so.
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 : Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing vapours.

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. Notify authorities if product enters sewers or public waters.
6.3. Methods and material for containment and cleaning up

For containment: Dam up the liquid spill. Contain released substance, pump into suitable containers. Keep in suitable closed containers for disposal.

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: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapours.

Hygiene measures: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

Storage conditions: Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products: Oxidizing agent. amines.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH</th>
<th>ACGIH TWA (mg/m³)</th>
<th>ACGIH STEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol (88917-22-0)</td>
<td>Not applicable</td>
<td>0.1 mg/m³ (Tin organic compounds, as Sn; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)</td>
<td>0.2 mg/m³ (Tin organic compounds, as Sn; USA; Short time value; TLV - Adopted Value)</td>
</tr>
<tr>
<td>Dibutyltin dilaurate (77-58-7)</td>
<td>ACGIH</td>
<td></td>
<td></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: Wear respiratory protection.

Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight solvent smell</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>≈ 200 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>96 °C</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Explosive properties: No data available
Oxidising properties: No data available
Vapour pressure: No data available
Relative density: No data available
Relative vapour density at 20 °C: No data available
Solubility: Water: Solubility in water of component(s) of the mixture:
- Bis{(2,6,6-pentamethyl-1,2,5-piperidyl) sebacate: insoluble
- ω-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl)4-hydroxyphenyl]-1-oxopropoxy] poly(oxy-1,2-ethanediyl: 0.0077 g/l
- methyl 3-(2H-benzotriazole-2-yl)-5-t-butyl-4-hydroxyphenyl propionate: 0.0077 g/l
- dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol: 19 g/100ml
- dibutyltin dilaurate: g/100ml (20 °C) 1.43E-4
- Xylenes: < 0.02 g/100ml
- 2-Phenoxyethanol: 2.7 g/100ml
- 3-oxa-1,5-pentanediol: 100 g/100ml (20 °C, Complete)
- Octamethylcyclotetrasiloxane: < 0.01 g/100ml

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
The product is non-reactive under normal conditions of use, storage and transport.

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
None under recommended storage and handling conditions (see section 7).

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
Likely routes of exposure: Inhalation; Dermal; Skin and eye contact
Acute toxicity: Not classified

dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol (88917-22-0)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rat</th>
<th>LD50 Dermal Rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Rat</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

dibutyltin dilaurate (77-58-7)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rat</th>
<th>ATE US (oral)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Rat</td>
<td>2071 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Experimental value)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal Rat</td>
<td>&gt; 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>2071.000 mg/kg bodyweight</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitisation: May cause an allergic skin reaction.
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified
Symptoms/injuries after skin contact: Irritation. May cause an allergic skin reaction.
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.

dibutyltin dilaurate (77-58-7)
Threshold limit algae 1: > 1 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)

12.2. Persistence and degradability
dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol (88917-22-0)
Persistence and degradability: Biodegradability in water: no data available.
dibutyltin dilaurate (77-58-7)
Persistence and degradability: Not readily biodegradable in water. No (test)data on mobility of the substance available.

12.3. Bioaccumulative potential
dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol (88917-22-0)
Log Pow: 0.66 (Estimated value)
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).
dibutyltin dilaurate (77-58-7)
BCF fish 1: 31 - 813 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 7 days; Carassius carassius; Flow-through system; Fresh water; Experimental value)
Bioaccumulative potential: Potential for bioaccumulation (500 ≤ BCF ≤ 5000).

12.4. Mobility in soil
No additional information available

12.5. 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
Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not regulated for transport
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**

<table>
<thead>
<tr>
<th>2100UV-A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SARA Section 311/312 Hazard Classes</strong></td>
<td><strong>Delayed (chronic) health hazard</strong>&lt;br&gt;<strong>Immediate (acute) health hazard</strong>&lt;br&gt;<strong>Fire hazard</strong></td>
</tr>
</tbody>
</table>

**dipropylene1-(2-methoxy-1-propoxy)-1-propan-2-ol (88917-22-0)**<br>**Listed on the United States TSCA (Toxic Substances Control Act) inventory**

**dibutyltin dilaurate (77-58-7)**<br>**Listed on the United States TSCA (Toxic Substances Control Act) inventory**

**15.2. International regulations**

**CANADA**<br>No additional information available

**EU-Regulations**<br>No additional information available

**National regulations**<br>No additional information available

**15.3. US State regulations**<br>No additional information available

**SECTION 16: Other information**

**Other information**<br>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-statements:**

| H227 | Combustible liquid |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H360 | May damage fertility or the unborn child |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

**NFPA health hazard**<br>2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

**NFPA fire hazard**<br>1 - Must be preheated before ignition can occur.

**NFPA reactivity**<br>0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

**HMIS III Rating**

| Health | 2 Moderate Hazard - Temporary or minor injury may occur |
| Flammability | 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB) |
| Physical | 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives |

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.