# MATERIAL SAFETY DATA SHEET

## RPD INFORMATION

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## RPD PRODUCT INFORMATION

RPD is an authorized distributor

For all Aquaplast RT™ Thermoplastic (Sheets, Tubes and Pellets)
Material Safety Data Sheet

1. Product and Supplier identification

Product Name Aquaplast RT™ Thermoplastic (Sheets, Tubes and Pellets)
Chemical Name 2-Oxepanone, polymer with 1,4-butanediol
Synonyms Caprolactone, 1,4-butanediol polymer epsilon-Caprolactone,
1,4-butanediol polyester
Manufacturer WFR/Aquaplast Corporation
440 Church Rd, Avondale, PA 19311 USA
Office 1-800-526-5247
Effective date 12-02-2011

NOT VALID TWO YEARS AFTER EFFECTIVE DATE OR AFTER ISSUANCE OF SUPERSEDING MSDS, WHICHERVER IS EARLIER

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>Formula</th>
<th>CAS No.</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Oxepanone, polymer with 1,4-butanediol</td>
<td>(C6 H10 O2 ( C4 H10 O2)x</td>
<td>31831-53-5</td>
<td>&gt;99</td>
</tr>
</tbody>
</table>

3. Hazards Identification

Potential Health Effects: Decomposition gasses when burned may be irritating to the eyes and skin

4. First Aid Measures

Eye Contact: Hold eyelids open and flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms develop

Skin Contact: Remove contaminated clothing. Wash skin with soap and water. Get medical attention if symptoms develop. Molten RT™ Thermoplastic can burn skin.
5. **Fire Fighting Measures**

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>Cleveland Open Cup / ASTM D92 527 °F (275 °C)</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data</td>
</tr>
<tr>
<td>Auto – Flammability</td>
<td>No data</td>
</tr>
<tr>
<td>Danger of Explosion</td>
<td>Non-explosive</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Non-oxidizer</td>
</tr>
<tr>
<td>Common extinguishing methods</td>
<td>Water, water spray</td>
</tr>
<tr>
<td></td>
<td>Foam</td>
</tr>
<tr>
<td></td>
<td>CO2</td>
</tr>
<tr>
<td>Inappropriate extinguishing methods</td>
<td>No restrictions</td>
</tr>
<tr>
<td>Protective measures in case of intervention</td>
<td>Evacuate all non-essential personnel</td>
</tr>
<tr>
<td></td>
<td>Intervention only by capable personnel who are trained and aware of the hazards of the product.</td>
</tr>
<tr>
<td></td>
<td>Wear self-contained breathing apparatus when in close proximity or in confined spaces.</td>
</tr>
<tr>
<td>Other precautions</td>
<td>If safe to do so, remove exposed Protoplast or cool with large quantities of water.</td>
</tr>
</tbody>
</table>

6. **Accidental Release Measures**

Precautions: Not applicable

7. **Handling and Storage**

Handling: No special precautions necessary

Storage: Keep in original packaging in a cool dry location, away from exposure to direct sunlight.

8. **Exposure Controls**

This material does not have exposure limits.

9. **Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White to ivory sheet, pellet, or tube</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
10. **Stability and Reactivity**

   - Vapor Pressure: Not determined
   - Vapor Density: (air=l) Not determined
   - Boiling Point: Not determined
   - Specific Gravity: 1.1 at 140°F (60°C)
   - Solubility in water: Insoluble
   - Partition Coefficient: Not determined (n-octanol/water):
   - Decomposition Temperature: Not determined
   - Chemical Stability: Stable
   - Conditions to avoid: High temperature and humidity
   - Materials to avoid: Acids and alkali
   - Hazardous Decomposition Products: Carbon monoxide and carbon dioxide when burned
   - Hazardous polymerization: Will not occur

11. **Toxicological Information**

   - Eye effects: No data
   - Skin effects: No data
   - Acute oral effects: No data
   - Acute inhalation effects: No data

12. **Ecological Information**

   - Acute ecotoxicity: No data
   - Chronic ecotoxicity: No data
   - Abiotic degradation: No data
   - Potential for bioaccumulation: No data

13. **Disposal Consideration**

    Waste disposal method: RT™ Thermoplastic is not considered hazardous waste under Federal Hazardous Waste Regulations (40CFR 261). Please be advised, however, that federal laws may change and that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult current federal, state and local regulations regarding the proper disposal of this material and its empty containers.
14. **Transportation Information**

D.O.T. Proper Shipping Name: Not regulated

UN Number Not applicable

Hazard Class: Not applicable

Label(s): Not applicable

Packing group: Not applicable

15. **Regulatory Information**

TSCA Inventory List: No

CERCLA Hazardous Substance (40 CFR Part 302)
Listed substance No
Unlisted substance No

SARA, Title M, Sections 302/303
(40 CFR Part 370 - Hazardous Chemical Reporting: Community Right-To-Know)
Hazard category: None
Threshold planning quantity None

VVHMS Classification: Not a controlled product

Canadian Domestic Substances List: No

16. **Other Information**

HMIS Rating:
- Health - 0
- Flammability - I
- Reactivity - 0
- PPE - Required

NFPA Rating:
- Health - 0
- Flammability - I
- Reactivity - 0

Reason for issue: Updated company address

Supersedes: MSDS dated 6/19/06