



Expect Service

Radiation Products Design Inc

MATERIAL SAFETY DATA SHEET

RPD INFORMATION

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Albertville, MN 55301

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RPD PRODUCT INFORMATION

RPD is an authorized distributor

For all Aquaplast RT™ Thermoplastic (Sheets, Tubes and Pellets)



440 Church Road, Avondale, Pennsylvania 19311 • www.Q-Fix.com • www.WFR-Aquaplast.com • Sales@Q-Fix.com

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, WHICHEVER IS EARLIER**

2. Composition/Information on Ingredients

Components	Formula	CAS No.	Percent
2-Oxepanone, polyer with 1,4-butanediol	(C ₆ H ₁₀ O ₂ (C ₄ H ₁₀ O ₂) _x	31831-53-5	>99

3. Hazards Identification

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

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

6. Accidental Release Measures

Precautions:	Not applicable
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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.
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9. Physical and Chemical Properties

Appearance:	White to ivory sheet, pellet, or tube
Odor:	Odorless
pH:	Not applicable

10. Stability and Reactivity

Vapor Pressure:	Not determined
Vapor Density: (air=1)	Not determined
Boiling Point:	Not determined
Specific Gravity:	1.1 at 140 -F (60 -C)
Solubility in water:	Insoluble
Partition Coefficient: (n-octanol/water):	Not determined
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 26 I). 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
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NFPA Rating:

Health - 0	Flammability - I	Reactivity - 0
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Reason for issue: Updated company address

Supersedes: MSDS dated 6/19/06