

SAFETY DATA SHEET

Version 2.0c

Revision Date: 09/09/2026

Print Date: 09/09/2026

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Hydro Rapid Release (HRR) Solution
Product Number	FTM103605
Supplier	Filtertherm 16435 Clear Creek Rd Redding, CA 96001, USA
Telephone	(530)241-3950
Email	info@filtertherm.com

2. COMPOSITION, INFORMATION OR INGREDIENTS

Ingredients	Heptyl Glucoside 10% (synonyms: n-Heptyl β -D-glucopyranoside solution) Water >90%;
Hazardous Ingredients	None

3. HAZARDS IDENTIFICATION

Eye Irritant	Serious Eye Irritation - Category 2A (H319)
Skin Irritant	May be irritating to skin.
Avoid Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Avoid Inhalation	May be harmful if inhaled. Irritating to respiratory system.

4. FIRST AID MEASURES

General advice	Wear eye protection/face protection. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	P264: Wash hands and exposed skin thoroughly after handling.

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In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Hazardous combustion products

Nature of decomposition is carbon dioxide and carbon monoxide.

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide (CO₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation. Use personal protective equipment. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapor or mist. Wear appropriate respirator when ventilation is inadequate.

Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and clean up

Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Provide appropriate exhaust ventilation. Wear protective eye/face protection.

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Conditions for safe storage

Store in accordance with local regulations. Product is slightly hygroscopic and should be stored in a closed container.

Recommended storage temperature

Room Temperature. Protect from frost.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards, such as NIOSH (US) and EN 166 (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Skin and body protection

The type of protective equipment and impervious clothing must be selected according to the concentration and amount of dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.

Respiratory protection

The type of protective equipment must be selected according to the concentration and amount of dangerous substance at the specific workplace. For higher level protection, use respirators and components tested and approved under appropriate government standards, such as NIOSH (US) and CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Color

Water-Based Solution, Clear or slightly hazy
Clear or slightly haze light brown solution.

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Molecular formula	Mixture
Molecular weight	N/A
Density	1.01 cm ³
pH	~6-8
Melting point/freezing point	<-5 °C
Boiling point	100°C
Flash point	>100°C
Ignition temperature	No data available
Autoignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Water solubility	Soluble
Partition coefficient	No data available
Relative vapor density	No data available
Odor	Mild; sweet
Odor threshold	No data available
Evaporation rate	No data available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Materials to avoid	Strong oxidizing agents. Strong reducing agents. Excess heat.
Hazardous decomposition products	Nature of decomposition products not known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral LD₅₀ No data available
	Inhalation LD₅₀ No data available

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	Dermal LD₅₀ No data available
	Other information on acute toxicity No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Teratogenicity	No data available
Specific target organ toxicity – single exposure (GHS)	No data available
Specific target organ toxicity – repeated exposure (GHS)	No data available
Aspiration hazard	No data available
Potential health effects	Inhalation May be harmful if inhaled. Ingestion May be harmful if ingested. Skin May be harmful if absorbed through the skin. May cause skin irritation. Eyes May cause eye irritation.

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Signs and symptoms of exposure

To the best of our knowledge, the toxicological properties of this compound have not been fully investigated.

Synergistic effects

No data available

Additional information

Not available

12. ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Observe all federal, state and local laws.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

Shipping

Not regulated.

15. REGULATORY INFORMATION

Adhere to all federal, state and local regulations.

16. OTHER INFORMATION

The information contained herein is accurate to the best of our knowledge, but is not meant to be complete and is included only as a guide. The end user is responsible for any damage resulting from handling or from contact with this product.