

SAFETY DATA SHEET
Product Name: Drain Fly Cleaner

Section 1: Identification

- **Product Name:** Drain Fly Cleaner
- **Synonyms:** Cleaning product for drains
- **Recommended Use:** Drain Fly Cleaner
- **Manufacturer:** The Umbrella Products LLC, 2305 Shady Cove Ct, Pearland, TX 77584
- **Phone Number:** 609 845 8634

Emergency Phone: 609 845 8634

Section 2: Hazard Identification

Hazard Pictograms



- **GHS Classification:**
 - Flammable liquids: Category 3
 - Gas under pressure (Liquefied gas)
 - Skin irritation: Category 2
 - Eye irritation: Category 2A
 - Specific Target Organ Toxicity (Single exposure): Category 3 (Narcotic effects)
- **Signal Word:** Warning
- **Hazard Statements:**
 - Flammable liquid and vapor.
 - Contains gas under pressure; may explode if heated.
 - Causes skin and eye irritation.
 - May cause drowsiness or dizziness.
- **Precautionary Statements:**
 - Keep away from heat/sparks/open flames/hot surfaces.
 - Avoid breathing vapors.
 - Wear protective gloves and eye protection.
 - IF IN EYES: Rinse cautiously with water for several minutes.
 - Store in a well-ventilated place.

Section 3: Composition/Information on Ingredients

Component	CAS Number	Concentration (%)
Surfactant Blend	Proprietary	2-5%
Isopropyl Alcohol	67-63-0	5-10%
R134A (Tetrafluoroethane)	811-97-2	5-10%
Water	7732-18-5	80-90%

Section 4: First-Aid Measures

- **Inhalation:** Move person to fresh air. If breathing is difficult, seek medical attention.
 - **Skin Contact:** Wash with soap and water. If irritation persists, seek medical advice.
 - **Eye Contact:** Flush eyes with water for at least 15 minutes. Remove contact lenses if present. Seek medical attention.
 - **Ingestion:** Do not induce vomiting. Rinse mouth and seek medical attention.
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Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Use alcohol-resistant foam, dry chemical, or carbon dioxide.
 - **Special Hazards:** Flammable liquid and vapor. R134A can displace oxygen in enclosed spaces, creating an asphyxiation hazard.
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective clothing.
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Section 6: Accidental Release Measures

- **Personal Precautions:** Eliminate all ignition sources. Use personal protective equipment to avoid skin and eye contact.
 - **Environmental Precautions:** Prevent the product from entering drains, sewers, or waterways.
 - **Cleanup Methods:** Absorb with inert material (sand, earth) and dispose of according to local regulations.
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Section 7: Handling and Storage

- **Handling:** Keep away from heat, sparks, open flames, and hot surfaces. Use in well-ventilated areas.
 - **Storage:** Store in a cool, dry place away from direct sunlight. Ensure containers are tightly sealed. Avoid freezing temperatures.
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Section 8: Exposure Controls/Personal Protection

- **Occupational Exposure Limits:**
 - **Isopropyl Alcohol:** ACGIH TLV: 200 ppm
 - **R134A:** ACGIH TLV: 1000 ppm
 - **Personal Protective Equipment:**
 - **Eye Protection:** Safety goggles or face shield.
 - **Skin Protection:** Protective gloves and clothing.
 - **Respiratory Protection:** Use appropriate respirators in areas with inadequate ventilation.
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Section 9: Physical and Chemical Properties

- **Appearance:** Clear liquid
 - **Odor:** Alcoholic odor
 - **pH:** 6-8
 - **Boiling Point:** ~82°C
 - **Flash Point:** ~23°C (Isopropyl alcohol)
 - **Vapor Pressure:** High due to R134A
 - **Solubility:** Completely soluble in water
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Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions of use and storage.
 - **Conditions to Avoid:** Avoid sources of ignition, heat, and incompatible materials.
 - **Incompatible Materials:** Strong oxidizers, acids, and bases.
 - **Hazardous Decomposition Products:** Carbon oxides, hydrogen fluoride, and other toxic gases if heated or in a fire.
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Section 11: Toxicological Information

- **Acute Toxicity:**

- **Isopropyl Alcohol:** May cause drowsiness, dizziness, and irritation to eyes and skin.
 - **R134A:** May cause dizziness or suffocation in high concentrations.
 - **Skin Irritation:** Causes irritation.
 - **Eye Irritation:** Causes serious eye irritation.
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Section 12: Ecological Information

- **Environmental Effects:**
 - **Isopropyl Alcohol:** Readily biodegradable but harmful to aquatic life in large concentrations.
 - **R134A:** Global warming potential if released into the atmosphere.
 - **Aquatic Toxicity:** Low risk at product concentrations but avoid large-scale release into water bodies.
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Section 13: Disposal Considerations

- **Disposal:** Dispose of in accordance with local, regional, and national regulations. Do not puncture or incinerate R134A containers.
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Section 14: Transport Information

- **UN Number:** UN1219 (Isopropyl Alcohol), UN3159 (R134A)
 - **Transport Hazard Class:** 3 (Isopropyl Alcohol), 2.2 (R134A)
 - **Packaging Group:** II (Isopropyl Alcohol)
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Section 15: Regulatory Information

- **Regulatory Compliance:** Complies with OSHA, REACH, and GHS standards.
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Section 16: Other Information

- **Prepared by:** The Umbrella Products LLC
- **Revision Date:** 10/02/2024
- **Revision:** 2

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