



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

<b>Product Name</b>	<b>EXP SOFT - 8670</b>
<b>CAS #</b>	Mixture
<b>Product Use</b>	Fabric Softener
<b>Manufacturer</b>	Gurtler Industries, Inc. 15475 South LaSalle St. South Holland, IL 60473 US Phone: 708-331-2550 Emergency Phone: INFOTRAC - 800-535-5053

## 2. Hazards Identification

<b>Emergency Overview</b>	CAUTION MAY CAUSE SKIN IRRITATION. MAY CAUSE EYE IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION.
<b>Potential short term effects</b>	
<b>Routes of Exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Eyes</b>	May cause irritation.
<b>Skin</b>	May cause irritation.
<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Target Organs</b>	Eyes. Skin. Respiratory system.
<b>Chronic Effects</b>	Prolonged or repeated exposure to dilutions can cause drying, defatting, dermatitis.
<b>Signs and Symptoms</b>	Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
<b>Potential environmental effects</b>	Components of this product have been identified as having potential environmental concerns.

## 3. Composition/Information on Ingredients

<b>Ingredient(s)</b>	<b>CAS #</b>	<b>Percent</b>
Quaternary ammonium compounds	68002-59-5	
Isopropanol	67-63-0	

## 4. First Aid Measures

<b>First Aid Procedures</b>	
<b>Eye Contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Skin Contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Inhalation</b>	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
<b>Notes to physician</b>	Symptoms may be delayed.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by WHMIS/OSHA criteria.
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## Extinguishing media

**Suitable extinguishing media** Treat for surrounding material.

**Unsuitable extinguishing media** Not available.

## Protection of firefighters

**Specific hazards arising from the chemical** Not available.

**Protective equipment for Firefighters** Firefighters should wear full protective clothing including self-contained breathing apparatus.

**Hazardous combustion products** May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of sulphur.

## Explosion data

**Sensitivity to mechanical impact** Not available.

**Sensitivity to static discharge** Not available.

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## 6. Accidental Release Measures

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**Personal precautions** Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

**Methods for containment** Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up** Before attempting to clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

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## 7. Handling and Storage

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**Handling** Use good industrial hygiene and practices in handling this material.  
When using do not eat or drink.  
Avoid contact with eyes.  
Keep container tightly closed.  
Use only with adequate ventilation.  
Wash thoroughly after handling.  
Avoid breathing vapors or mists of this product.

**Storage** Keep out of reach of children. Store in a closed container away from incompatible materials.

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## 8. Exposure Controls/Personal Protection

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**Engineering controls** General ventilation normally adequate.

### Personal protective equipment

**Eye/face protection** Safety glasses Wear safety glasses with side shields.

**Hand protection** Rubber gloves. Confirm with reputable supplier first.

**Skin and body protection** As required by employer code.

**Respiratory protection** Not normally required if good ventilation is maintained. Where exposure guidelines may be exceeded, use approved NIOSH respirator.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practices.  
When using do not eat or drink.  
Wash hands before breaks and immediately after handling the product.

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## 9. Physical and Chemical Properties

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**Appearance** Opaque

**Color** Light Blue

**Form** Liquid

**Odor** Pleasant

<b>Odor Threshold</b>	Not available
<b>Physical State</b>	Liquid
<b>pH (100%)</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Boiling Point (°C)</b>	> 212°F (> 100.00°C)
<b>Flash Point (°C, TCC)</b>	Not available
<b>Pour Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not applicable
<b>Flammability limits in air, upper, % by volume</b>	Not applicable
<b>Vapor Pressure (mm Hg)</b>	Not available
<b>Vapor Density (Air = 1)</b>	Not available
<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	0.900
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H<sub>2</sub>O)</b>	Dispersable
<b>Auto-ignition temperature</b>	Not applicable
<b>Viscosity</b>	Water thin

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of sulphur.

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## 11. Toxicological Information

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<b>Effects of Acute Exposure</b>	
<b>Eye</b>	May cause irritation.
<b>Skin</b>	May cause irritation.
<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	Non-hazardous by WHMIS/OSHA criteria
<b>Chronic Effects</b>	Non-hazardous by WHMIS/OSHA criteria
<b>Carcinogenicity</b>	Non-hazardous by WHMIS/OSHA criteria
<b>Mutagenicity</b>	Non-hazardous by WHMIS/OSHA criteria
<b>Reproductive Effects</b>	Non-hazardous by WHMIS/OSHA criteria
<b>Teratogenicity</b>	Non-hazardous by WHMIS/OSHA criteria

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## 12. Ecological Information

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<b>Ecotoxicity</b>	Components of this product have been identified as having potential environmental concerns.	
<b>Ecotoxicity - Freshwater Algae - Acute Toxicity Data</b>		
Isopropanol	67-63-0	96 Hr EC50 Desmodemus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodemus subspicatus: >1000 mg/L;
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>		
Isopropanol	67-63-0	96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L

**Ecotoxicity - Water Flea - Acute Toxicity Data**

Isopropanol 67-63-0 48 Hr EC50 Daphnia magna: 13299 mg/L

<b>Persistence/degradability</b>	Not available
<b>Bioaccumulation/accumulation</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Chemical Fate Information</b>	Not available

**13. Disposal Considerations**

<b>Disposal Instructions</b>	Waste must be disposed of in accordance with federal, state/provincial and local environmental control regulations. Dispose in accordance with all applicable regulations.
<b>Waste from Residues/unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

**14. Transport Information**

<b>Department of Transportation (DOT)</b>	Not regulated as dangerous goods.
<b>Transportation of Dangerous Goods (TDG)</b>	Not regulated as dangerous goods.

**15. Regulatory Information**

<b>US Federal Regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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**U.S. CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

Isopropanol 67-63-0 1% de minimis concentration (only if manufactured by a strong acid process)

**Occupational Safety and Health Administration (OSHA)**

<b>29 CFR 1910.1200 hazardous chemical</b>	Yes
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**CERCLA (Superfund) reportable quantity**

None

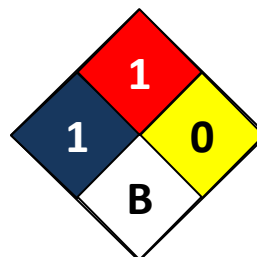
**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard Categories</b>	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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**Section 302 extremely hazardous substances** No**Section 311 hazardous chemical** Yes**Clean Air Act (CAA)** Not available**Clean Water Act (CWA)** Not available**16. Other Information**

Legend HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>Health</b>	/ 1
<b>Flammability</b>	1
<b>Physical Hazard</b>	0
<b>Personal Protection</b>	B

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<b>Prepared By</b>	Gurtler Industries, Inc.