



## Material Safety Data Sheet

The Toro Company  
8111 Lyndale Ave S  
Bloomington, MN 55420

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### Product Identification

<b>Product Name:</b>	Fuel Conditioner	<b>Parts Number:</b>
<b>Product type:</b>	Fuel additive	89875
<b>MSDS #</b>		
<b>Emergency Contact:</b>	Chemtrec : 1-800-424-9300	
<b>Contact Number:</b>	1-952-888-8801	

### Chemical Components

Chemical	CAS #	%	ACGIH TLV	OSHA PEL	Other
Isopropanol	67-63-0	95		400 ppm PEL 980 mg/m3	
Proprietary Additive	none	5			

### Physical and Chemical Properties

Characteristics		Physical Properties		Hazards Description	Physical Dangers
<b>Physical State</b>	Liquid	Vapor pressure	(MM HG): 97.0	Product is flammable, keep away from sources of ignition, combustibles, oxidizing material and acid. Store in an area equipped with automatic sprinklers or fire extinguishing system. Empty containers contain product residues, assume empty container to have the same hazards as full containers.	<b>Chemical Stability:</b> Stable: Yes <b>Conditions to Avoid:</b> Store in a well ventilated place away from sources of ignition, combustibles, oxidizing materials and acid. <b>Incompatibilities with Other Materials:</b> Strong oxidizing agents, amines, chlorinated compounds and caustic materials. <b>Hazardous Decomposition Products:</b> Excessive heating and/or incomplete combustion will produce carbon monoxide. <b>Hazardous Polymerization:</b> Hazardous Polymerization May Occur: No
<b>Color</b>	Amber	pH			
<b>Odor</b>	Solvent odor	Boiling point/range:	180 F. (82.2 C.)		
		Freezing point/range:	N/A		
		Specific gravity	0.787		
		Vapor density	(Air=1): GT 1.0		
		Evaporation rate	N/A		
		Solubility in water	Soluble		
		VOC content:	0 Lbs/Gallon		
		Flash Point			
		Viscosity	N/A		
<b>HMIS Rating</b>					
<b>Health:</b>	2				
<b>Flammability:</b>	3				
<b>Physical Hazard:</b>	0				

## Health Hazards

Major Routes of Exposure:	Ingredients Considered Hazardous to Health	Potential Health Effects:
Inhalation X	This product does not contain any components above de minimus concentrations that are considered carcinogenic by OSHA, IARC or NTP.	<b>Inhalation.</b> Narcotic chemical affecting central nervous system resulting in: dizziness, nausea, visual impairment, narcosis and muscular impairment.
Skin X		<b>Skin contact</b> Prolonged or repeated skin contact may cause dermatitis, scaling and possible systemic effects.
Ingestion X		<b>Eye contact:</b> Irritant.
Eye X		<b>Ingestion:</b> Low level of toxicity, small amounts of liquid aspirated into the respiratory system during ingestion may cause pulmonary edema.

First Aid Measures	Personal Protection
<p><b>Eye:</b> If the product contacts the eyes, immediately wash the eyes with large quantities of room temperature water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately. A follow up visit to an ophthalmologist should be made. Contact lenses should not be worn when working with this chemical.</p> <p><b>Skin:</b> If the product contacts the skin, promptly wash the contaminated skin with soap and water for at least 15 minutes. If this product penetrates the clothing, promptly remove the clothing and wash the skin with soap and water. Systemic effects may be delayed 18 to 72 hours, therefore keep individual under observation.</p> <p><b>Ingestion:</b> If this product is ingested. DO NOT INDUCE A PERSON TO VOMIT. Get medical attention immediately.</p> <p><b>Inhalation:</b> Move the exposed person to fresh air at once and call emergency medical care. If breathing has stopped, give artificial respiration. If breathing is difficult, give humidified oxygen.</p> <p><b>Notes to Physician:</b> No data available.</p>	<p><b>GENERAL HYGIENE CONSIDERATIONS:</b> Use normal hygiene practices.</p> <p><b>OTHER PRECAUTIONS:</b> Product is flammable, handle accordingly.</p> <p><b>ENGINEERING CONTROLS:</b> Local Exhaust: Provide local ventilation to maintain exposure levels below recommended exposure limits. Mechanical (General): In confined spaces, mechanical ventilation may be required. Special Ventilation: N/A Other Ventilation: N/A</p> <p><b>PERSONAL PROTECTIVE EQUIPMENT</b></p> <p><b>Eyes/face:</b> Use splash proof chemical, safety goggles or appropriate full-face respirator. Contact lenses should not be worn when working with this chemical.</p> <p><b>Skin:</b> Use natural rubber or neoprene gloves as required.</p> <p><b>Respirators:</b> Do not use air purifying respirator. Use NIOSH approved respirator approved supplied or self contained respirator. Respirators must be selected based on the airborne levels found in the workplace and must not exceed the working limits of the respirator.</p> <p><b>Other Protective Clothing/Equipment:</b> If there is a possibility of exposure of an individual's body to the product, wear body covering work clothes to avoid prolonged or repeated exposure.</p>

## Fire and Explosion Hazards

Extinguishing Media	Special Fire Fighting Procedures	Unusual Fire and Explosion Hazards
Use halon replacement or carbon dioxide extinguishers or alcohol foam for small fires. Water spray or fog can cool fire but may not be effective in extinguishing fire. Large fires should be extinguished with alcohol foam. Use water spray to cool containers exposed to fire. Containers may explode in heat or	Flash Point: 54 F. (12.2 C.) TOC Autolgnition Temperature: N/A Flammable Limits Lower Limit: Explosive Limit (LEL): 2.0 Upper Limit: Explosive Limit (UEL): 12.0 Wear NIOSH approved SCBA respirator in the positive pressure mode and chemical protective clothing General Information: Flammable Limits: 2.0 to 12.0	Dangerous fire and explosion hazard when exposed to heat or flame. Isopropanol is extremely flammable and forms explosive mixtures with air. Isopropanol vapors may travel considerable distance to a source of ignition and flash back

fire.		
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### Handling and Storage

Accidental Release /Spill Measures to Take	Precautions for Storage	Handling
<p>Small Spill: Remove sources of heat or ignition, provide adequate ventilation, contain leak using absorbent, inert, non-combustible material.</p> <p>Large Spill: Contain spill, transfer to secure containers. In the event of an uncontrolled material release, the user should determine if release is reportable under applicable laws and regulations.</p>		

### Disposal/Transportation

Disposal Method	Transportation
<p>Dispose of product in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of MSDS for hazard warning information</p>	<p>Transportation Information:  Shipping Information (CFR 49 and IMDG):  Proper Shipping Name: Additive, gasoline  DOT Hazard Class: Consumer commodity, ORM-D  DOT UN Number: None required.  IMDG Shipping Name: Not an exported item.  Label Information:  No data available</p>

### Regulations

<p>SARA Title III:  Section 302: None  Section 304: None  Section 311: Hazard categories-Fire Hazard-Yes; Acute=Yes and Chronic=Yes  Section 313: None  CERCLA:  Section 311(b)(4): Requires discharges of crude oil and petroleum products in any kind or form to waters must immediately be reported to the National Response Center at (800) 424-8802.</p>
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### Toxicology Information

No data available.
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### Ecological Information

No data available.
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