



# Material Safety Data Sheet

The Toro Company  
8111 Lyndale Ave S  
Bloomington, MN 55420

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## Product Identification

<b>Product Name:</b>	TORO BLACK	<b>Parts Number: 361-8, 500-138</b>
<b>Product type:</b>		
<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	REL
Acetone	67-64-1	39.27%	Short-term value: 1782 mg/m <sup>3</sup> , 750 ppm Long-term value: 1188 mg/m <sup>3</sup> , 500 ppm BEI	2400 mg/m <sup>3</sup> , 1000 ppm	590 mg/m <sup>3</sup> , 250 ppm
propane	74-98-6	15.76%	Varies mg/m <sup>3</sup> , 1000 ppm	1800 mg/m <sup>3</sup> , 1000 ppm	1800 mg/m <sup>3</sup> , 1000 ppm
Toluene	108-88-3	13.39%	75 mg/m <sup>3</sup> , 20 ppm NIC-BEI	Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
n-butane	106-97-8	9.26%	Varies mg/m <sup>3</sup> , 1000 ppm		1900 mg/m <sup>3</sup> , 800 ppm
Methyl Propyl Ketone	107-87-9	2.69%	Short-term value: 529 mg/m <sup>3</sup> , 150 ppm	700 mg/m <sup>3</sup> , 200 ppm	530 mg/m <sup>3</sup> , 150 ppm
PM acetate	108-65-6	2.67%	WEEL 50 ppm		
Glycol Ether EP	2807-30-9	1.55%			

## Physical and Chemical Properties

Characteristics		Physical Properties		Hazards Description	Physical Dangers
<b>Physical State</b>		Vapor pressure	40 PSI, 2750 hPa	Harmful Extremely flammable  Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit. In use, may form flammable/explosive vapour-air mixture.	Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame. Has narcotizing effect. Extremely flammable. Irritating to eyes. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Do not spray on a naked flame or any incandescent material. Buildup of explosive mixtures possible without sufficient ventilation.
<b>Color</b>		Density at 20°C (68°F):	0.75 g/cm <sup>3</sup>		
<b>Odor</b>	Aromatic	Boiling point/range:	-44°C (-47°F)		
		Lower explosion limit:	1.7 Vol %		
<b>HMIS Rating</b>		Upper Explosion Limit:	10.9 Vol %		
<b>Health:</b>	1	Specific gravity	Between 0.77 and 0.85 (Water equals 1.00)		
<b>Flammability:</b>	4	MIR Value:	1.15		
<b>Physical Hazard:</b>	3	Solids content:	13.9 %		
		VOC content (less exempt solvents):	46.6 %		
		VOC content:	554.7 g/l / 4.63 lb/gl		
		Flash Point	-19°C (-2°F)		
		Viscosity			

## Health Hazards

Major Routes of Exposure:	Ingredients Considered Hazardous to Health	Potential Health Effects:
Inhalation	<b>Effects of chronic overexposure:</b> May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.	<b>Inhalation.</b>
Skin		<b>Skin.</b> No irritant effect.
Ingestion		
Eye		<b>Eye contact:</b> Irritating effect.
<b>Sensitization:</b> No sensitizing effects known.		<b>Ingestion:</b>
Keep away from foodstuffs and animal feed. Wash hands after use.		

First Aid Measures	Personal Protection
<p><b>After inhalation:</b> Supply fresh air; consult doctor in case of complaints.</p> <p><b>After skin contact:</b> Remove contaminated clothing. Wash exposed area with soap and water.</p> <p><b>After eye contact:</b> Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.</p> <p><b>After swallowing:</b> Contact physician or poison control center.</p>	<p>A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.</p> <p><b>Hand protection:</b> Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.</p> <p><b>Eye protection:</b> Tightly sealed goggles</p>

## Fire and Explosion Hazards

Extinguishing Media	Special Fire Fighting Procedures	Unusual Fire and Explosion Hazards
CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.	Protective equipment: No special measures required. Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.	<p><b>Conditions to avoid:</b> Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.</p> <p><b>Hazardous Reactions:</b> No dangerous reactions known.</p>

## Handling and Storage

Accidental Release /Spill Measures to Take	Precautions for Storage	Handling
<p><b>Environmental safety:</b> Do not allow product to reach sewage systems or ground water.</p> <p><b>Clean-up/collection:</b> Ensure adequate ventilation.</p>	Observe pressurized container storage regulations. Consult with your local authorities.	<p><b>Personal safety:</b> Wear protective equipment. Keep unprotected persons away.</p>

## Disposal/Transportation

Disposal Method	Transportation
<p>Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact.</p> <p>Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.</p> <p><b>Recommendation:</b> Completely empty cans should be recycled.</p>	<p><b>Hazard class:</b> 2.1</p> <p><b>Identification number:</b> N/A</p> <p><b>Label 2.1</b></p> <p><b>ADR/RID/TDG class:</b> 2 5F Gases</p> <p><b>UN-Number:</b> 1950</p> <p><b>IMDG Class:</b> 2.1</p> <p><b>Packaging group:</b> II</p> <p><b>EMS Number:</b> F-D,S-U</p> <p><b>Marine pollutant:</b> No</p> <p><b>ICAO/IATA Class:</b> 2.1</p> <p><b>Proper shipping name:</b> Aerosols, Flammable Consumer Commodity ORM-D</p>

## Regulations

### **SARA Section 355 (extremely hazardous substances):**

None of the ingredients in this product are listed.

### **SARA Section 313 (Specific toxic chemical listings):**

108-88-3 Toluene

**TSCA:** All ingredients are listed.

**CPSC:** This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

### **California Proposition 65 chemicals known to cause cancer:**

1333-86-4 Carbon black      100-41-4 ethyl benzene

**California Proposition 65 chemicals known to cause developmental toxicity:** 108-88-3 Toluene

**CANADIAN ENVIRONMENTAL PROTECTION ACT:** All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

**WHMIS Symbols for Canada:** A - Compressed gas

D2A - Very toxic material causing other toxic effects

**EPA:** A= Known human carcinogen B= Probable human carcinogen C= Possible human carcinogen D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

I: 'Data are inadequate for an assessment of human carcinogen potential.'

II: 'Inadequate information to assess carcinogenic potential.'

67-64-1 Acetone I      108-88-3 Toluene II

**IARC:** Group 2A: The ingredient is probably carcinogenic to humans.

Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.

Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.      108-88-3 Toluene 3

**ACGIH:** A1-designates a confirmed human carcinogen.

A2-designates a suspected human carcinogen.

A3-designates an animal carcinogen.

A4-designates "not classifiable as a human carcinogen".      67-64-1 Acetone A4      108-88-3 Toluene A4

### **NIOSH:**

1333-86-4 Carbon black

**Risk phrases:** Extremely flammable.      Irritating to eyes.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**Safety phrases:** Keep out of the reach of children.

Keep away from sources of ignition - No smoking.

Do not breathe gas/fumes/vapour/spray.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

Wear suitable protective clothing and gloves.

If swallowed, seek medical advice immediately and show this container or label.

Use only in well-ventilated areas.

## Toxicology Information

**Skin effects:** No irritant effect.

**Eye effects:** Irritating effect.

## Ecological Information

**Other information:** This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), or chlorinated solvents.      **Aquatic toxicity:** Hazardous for water, do not empty into drains.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Contact:** Regulatory Affairs

**Abbreviations and acronyms:** IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

PP: Severe Marine Pollutant

P: Marine Pollutant

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

ISO: International Organization for Standardization

EPA: Environmental Protection Agency

IARC: International Agency for the Research of Cancer

NIOSH: National Institute for Occupational Safety and Health

TSCA: Toxic Substances Control Act

CPSC: Consumer Product Safety Commission