

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** Complete Fuel Treatment

**Other means of identification**

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Fuel additive

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Name** Enertech Labs, Inc.

**Supplier Address** PO Box 732  
Getzville NY  
14068  
US

**Supplier Phone Number** Phone:800-759-2080  
Fax:716-328-1766  
Contact Phone716-597-5761

**Supplier Email** sales@enertechlabs.com

**Emergency telephone number** Chemtrec 800-424-9300

## 2. HAZARDS IDENTIFICATION


**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B

Aspiration toxicity	Category 1
Flammable liquids	Category 4

**GHS Label elements, including precautionary statements****Emergency Overview**

<b>Signal word</b>	<b>Danger</b>
<b>Hazard Statements</b>	
Harmful if swallowed	
Harmful if inhaled	
Causes skin irritation	
Causes serious eye irritation	
May cause genetic defects	
May cause cancer	
May be fatal if swallowed and enters airways	
Combustible liquid	
	
<b>Appearance</b> Amber	<b>Physical state</b> Liquid
<b>Odor</b> Sweet	

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Wear eye/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention

**Skin**

IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Ingestion**

Rinse mouth

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

**Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

2.62% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

May be harmful in contact with skin

Toxic to aquatic life with long lasting effects

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS

**Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%	Trade Secret
butyl cellosolve	111-76-2	10 - 30	*
Xylene	1330-20-7	10 - 30	*
Naphtha (petroleum), heavy aromatic	64742-94-5	10 - 30	*
Petroleum naphtha, light aromatic	64742-95-6	7 - 13	*
1,2,4 Trimethylbenzene	95-63-6	7 - 13	*
2-Ethylhexyl nitrate	27247-96-7	7 - 13	*
Ethylbenzene	100-41-4	1 - 5	*
Naphthalene	91-20-3	1 - 5	*
1,3,5-Trimethylbenzene	108-67-8	1 - 5	*
2-ethylhexan-1-ol	104-76-7	1 - 5	*
Cumene	98-82-8	1 - 5	*
Diethyl Benzene	25340-17-4	1 - 5	*
Vinyl acetate	108-05-4	0.1 - 1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES**

**First aid measures****General Advice**

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

**Skin contact**

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

**Inhalation**

Remove to fresh air. Get medical attention immediately if symptoms occur. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.

**Ingestion**

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Call a physician or poison control center immediately.

**Self-protection of the first aider**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Remove all sources of ignition.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** Burning sensation. Coughing and/ or wheezing. Difficulty in breathing. Dizziness.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

### Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

#### **Uniform Fire Code**

Irritant: Liquid  
Toxic: Liquid  
Combustible Liquid: III-A

### Hazardous Combustion Products

Carbon oxides. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

### Explosion Data

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Avoid breathing vapors or mists. Avoid generation of dust. Evacuate personnel to safe areas. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material.

#### **Other Information**

Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

#### **Environmental precautions**

Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

### Methods and material for containment and cleaning up

#### **Methods for containment**

Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

#### **Methods for cleaning up**

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Do not breathe dust/fume/gas/mist/vapors/spray.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up. Protect from moisture. Store away from other materials. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** Strong acids. Strong oxidizing agents. Strong bases. Acid chlorides. Acid anhydrides. Chloroformates. Strong reducing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
butyl cellosolve 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	
1,2,4 Trimethylbenzene 95-63-6	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>
Naphthalene 91-20-3	TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m <sup>3</sup> (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m <sup>3</sup>	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> STEL: 15 ppm STEL: 75 mg/m <sup>3</sup>
1,3,5-Trimethylbenzene 108-67-8	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
2-ethylhexan-1-ol 104-76-7	-	-	TWA: 50 ppm TWA: 270 mg/m <sup>3</sup>
Cumene 98-82-8	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m <sup>3</sup>	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>

		(vacated) S* S*	
Vinyl acetate 108-05-4	STEL: 15 ppm TWA: 10 ppm	(vacated) TWA: 10 ppm (vacated) TWA: 30 mg/m <sup>3</sup> (vacated) STEL: 20 ppm (vacated) STEL: 60 mg/m <sup>3</sup>	Ceiling: 4 ppm 15 min Ceiling: 15 mg/m <sup>3</sup> 15 min

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

**Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** None required for consumer use. If splashes are likely to occur.: Tight sealing safety goggles.

**Skin and body protection** Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Sweet
<b>Appearance</b>	Amber	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks</u></b>	<b><u>Method</u></b>
<b>pH</b>	UNKNOWN	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	113 °C / 235 °F	None known	
<b>Flash Point</b>	63 C / 145 F	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	No data available	None known	
<b>Water Solubility</b>	Slightly soluble	None known	
<b>Solubility in other solvents</b>	No data available	None known	

<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	4.8	None known
<b>Explosive properties</b>	No data available	
<b>Oxidizing properties</b>	No data available	

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Excessive heat. Heat, flames and sparks.

**Incompatible materials**

Strong acids. Strong oxidizing agents. Strong bases. Acid chlorides. Acid anhydrides. Chloroformates. Strong reducing agents.

**Hazardous Decomposition Products**

Carbon oxides. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information****Inhalation**

Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (based on components). Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal.

**Eye contact**

Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation. May cause irritation.

**Skin contact**

Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking.

**Ingestion**

Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components). Potential for

aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
butyl cellosolve 111-76-2	= 470 mg/kg ( Rat )	= 220 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
Xylene 1330-20-7	= 4300 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit )	= 47635 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h
Naphtha (petroleum), heavy aromatic 64742-94-5	> 5000 mg/kg ( Rat )	> 2 mL/kg ( Rabbit )	> 590 mg/m <sup>3</sup> ( Rat ) 4 h
Petroleum naphtha, light aromatic 64742-95-6	-	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h = 3400 ppm ( Rat ) 4 h
1,2,4 Trimethylbenzene 95-63-6	= 3400 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h
2-Ethylhexyl nitrate 27247-96-7	> 2000 mg/kg ( Rat )	> 4820 mg/kg ( Rabbit )	> 4.6 mg/L ( Rat ) 1 h > 14 mg/L ( Rat ) 4 h
Ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15354 mg/kg ( Rabbit )	= 17.2 mg/L ( Rat ) 4 h
Naphthalene 91-20-3	-	> 20 g/kg ( Rabbit )	> 340 mg/m <sup>3</sup> ( Rat ) 1 h
1,3,5-Trimethylbenzene 108-67-8	-	-	= 24 g/m <sup>3</sup> ( Rat ) 4 h
2-ethylhexan-1-ol 104-76-7	1516 - 2774 mg/kg ( Rat )	> 1600 mg/kg ( Rat ) > 3160 mg/kg ( Rabbit )	= 0.237 mg/L ( Rat ) 4 h
Oleic acid 112-80-1	> 5000 mg/kg ( Rat )	-	-
Cumene 98-82-8	= 1400 mg/kg ( Rat )	= 12300 µL/kg ( Rabbit )	-
Vinyl acetate 108-05-4	= 2920 mg/kg ( Rat )	= 2320 mg/kg ( Rabbit )	= 11400 mg/m <sup>3</sup> ( Rat ) 4 h = 11.4 mg/L ( Rat ) 4 h

### Information on toxicological effects

#### Symptoms

Erythema (skin redness). May cause redness and tearing of the eyes. Coughing and/ or wheezing. Difficulty in breathing. Asthma-like and/ or skin allergy-like symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Sensitization

No information available.

#### Mutagenic Effects

Contains a known or suspected mutagen.

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
butyl cellosolve 111-76-2	A3	Group 3		
Xylene 1330-20-7		Group 3		
2-Ethylhexyl nitrate 27247-96-7		Group 2A		X
Ethylbenzene 100-41-4	A3	Group 2B		X
Naphthalene 91-20-3	A3	Group 2B	Reasonably Anticipated	X

Cumene 98-82-8		Group 2B		X
Vinyl acetate 108-05-4	A3	Group 2B		X

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP (National Toxicology Program)**

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.

**Chronic Toxicity** Contains a known or suspected mutagen. Possible risk of irreversible effects. Contains a known or suspected carcinogen. Aspiration may cause pulmonary edema and pneumonitis. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

**Target Organ Effects** Respiratory system. Eyes. Skin. May affect the genetic material in germ cells (sperm and eggs). Gastrointestinal tract (GI). Blood. Central Nervous System (CNS). Hematopoietic system. Kidney. Liver. Lungs. Nasal cavities. Thyroid. Central Vascular System (CVS). Testes.

**Aspiration Hazard** No information available.**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**

1,296.00 mg/kg

**ATEmix (dermal)**

2,414.00 mg/kg (ATE)

**ATEmix (inhalation-gas)**

12,784.00 ppm (4 hr)

**ATEmix (inhalation-dust/mist)**

2.00 mg/l

**ATEmix (inhalation-vapor)**

29.00 ATEmix

## 12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
butyl cellosolve 111-78-2		96h LC50: = 1490 mg/L (Lepomis macrochirus) 96h LC50: = 2950 mg/L (Lepomis macrochirus)		48h EC50: > 1000 mg/L 24h EC50: 1698 - 1940 mg/L
Xylene 1330-20-7		96h LC50: = 13.4 mg/L (Pimephales promelas) 96h LC50: 2.661 - 4.093 mg/L (Oncorhynchus mykiss) 96h LC50: 13.5 - 17.3 mg/L (Oncorhynchus mykiss) 96h LC50: 13.1 - 16.5 mg/L (Lepomis macrochirus) 96h LC50: = 19 mg/L (Lepomis macrochirus) 96h LC50: 7.711 - 9.591 mg/L (Lepomis macrochirus) 96h LC50: 23.53 - 29.97 mg/L (Pimephales promelas) 96h LC50: = 780 mg/L (Cyprinus carpio) 96h LC50: > 780 mg/L (Cyprinus carpio) 96h LC50: 30.26 - 40.75 mg/L (Poecilia reticulata)	EC50 = 0.0084 mg/L 24 h	48h EC50: = 3.82 mg/L 48h LC50: = 0.6 mg/L
Naphtha (petroleum), heavy aromatic 64742-94-5	72h EC50: = 2.5 mg/L (Skeletonema costatum)	96h LC50: = 19 mg/L (Pimephales promelas) 96h LC50: = 2.34 mg/L (Oncorhynchus mykiss) 96h LC50: = 1740 mg/L (Lepomis macrochirus) 96h LC50: = 45 mg/L (Pimephales promelas) 96h LC50: = 41 mg/L (Pimephales promelas)		48h EC50: = 0.95 mg/L
Petroleum naphtha, light aromatic 64742-95-6		96h LC50: = 9.22 mg/L (Oncorhynchus mykiss)		48h EC50: = 6.14 mg/L
1,2,4 Trimethylbenzene 95-63-6		96h LC50: 7.19 - 8.28 mg/L (Pimephales promelas)		48h EC50: = 6.14 mg/L
2-Ethylhexyl nitrate 27247-96-7		48h LC50: = 116 mg/L (Salmo gairdneri)	EC50 = 100 mg/L 15 min	
Ethylbenzene 100-41-4	72h EC50: = 4.6 mg/L (Pseudokirchneriella subcapitata) 96h EC50: > 438 mg/L (Pseudokirchneriella subcapitata) 72h EC50: 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 1.7 - 7.6 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 11.0 - 18.0 mg/L (Oncorhynchus mykiss) 96h LC50: = 4.2 mg/L (Oncorhynchus mykiss) 96h LC50: 7.55 - 11 mg/L (Pimephales promelas) 96h LC50: = 32 mg/L (Lepomis macrochirus) 96h LC50: 9.1 - 15.6 mg/L (Pimephales promelas) 96h LC50: = 9.6 mg/L (Poecilia reticulata)	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	48h EC50: 1.8 - 2.4 mg/L
Naphthalene 91-20-3	72h EC50: = 0.4 mg/L (Skeletonema costatum)	96h LC50: 5.74 - 6.44 mg/L (Pimephales promelas) 96h LC50: = 1.8 mg/L (Oncorhynchus mykiss) 96h LC50: 0.91 - 2.82 mg/L (Oncorhynchus mykiss) 96h LC50: = 1.99 mg/L (Pimephales promelas) 96h LC50: = 31.0265 mg/L (Lepomis macrochirus)	EC50 = 0.93 mg/L 30 min EC50 > 20 mg/L 18 h	48h LC50: = 2.16 mg/L 48h EC50: = 1.96 mg/L 48h EC50: 1.09 - 3.4 mg/L
1,3,5-Trimethylbenzene 108-67-8		96h LC50: = 3.48 mg/L (Pimephales promelas)		24h EC50: = 50 mg/L
2-ethylhexan-1-ol 104-76-7	72h EC50: = 11.5 mg/L (Desmodesmus subspicatus)	96h LC50: > 7.5 mg/L (Oncorhynchus mykiss) 96h LC50: 27 - 29.5 mg/L (Pimephales promelas) 96h LC50: = 29.7 mg/L (Pimephales promelas) 96h LC50: 10.0 - 33.0 mg/L (Lepomis macrochirus) 96h LC50: 32 - 37 mg/L (Oncorhynchus mykiss)		48h EC50: = 39 mg/L
Oleic acid 112-80-1		96h LC50: = 205 mg/L (Pimephales promelas)		
Cumene 98-82-8	72h EC50: = 2.6 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 6.04 - 6.61 mg/L (Pimephales promelas) 96h LC50: = 4.8 mg/L (Oncorhynchus mykiss) 96h LC50: = 2.7 mg/L (Oncorhynchus mykiss) 96h LC50: = 5.1 mg/L (Poecilia reticulata)	EC50 = 0.89 mg/L 5 min EC50 = 1.10 mg/L 15 min EC50 = 1.48 mg/L 30 min EC50 = 172 mg/L 24 h	48h EC50: = 0.6 mg/L 48h EC50: 7.9 - 14.1 mg/L
Vinyl acetate 108-05-4		96h LC50: = 14 mg/L (Pimephales promelas) 96h LC50: 15.04 - 21.54 mg/L (Lepomis macrochirus) 96h LC50: 26.1 - 36.63 mg/L (Poecilia reticulata)	EC50 = 2080 mg/L 5 min	24h EC50: = 52 mg/L

### Persistence and Degradability

No information available.

### Bioaccumulation

Chemical Name	Log Pow
2-Butoxyethanol 111-78-2	0.81
Xylene 1330-20-7	3.15
Naphtha (petroleum), heavy aromatic 64742-94-5	6.1
1,2,4 Trimethylbenzene 95-63-6	3.63
2-Ethylhexyl nitrate 27247-96-7	4.14
Ethylbenzene 100-41-4	3.118
Naphthalene 91-20-3	3.3
2-ethylhexan-1-ol 104-76-7	3.1
Cumene 98-82-8	3.55
Vinyl acetate 108-05-4	0.73

### Other adverse effects

No information available.





**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number**

U055 U165 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylene 1330-20-7		Included in waste stream: F039		U239
Ethylbenzene 100-41-4		Included in waste stream: F039		
Naphthalene 91-20-3	U165	Included in waste streams: F024, F025, F034, F039, K001, K035, K060, K087, K145		U165
Cumene 98-82-8				U055

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Naphthalene 91-20-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Xylene 1330-20-7	Toxic Ignitable
1,2,4 Trimethylbenzene 95-63-6	Toxic
Ethylbenzene 100-41-4	Toxic Ignitable
Naphthalene 91-20-3	Toxic
Cumene 98-82-8	Toxic Ignitable
Vinyl acetate 108-05-4	Toxic Ignitable

## 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	NOT REGULATED
<b>Proper Shipping Name</b>	NON REGULATED
<b>Hazard Class</b>	N/A
<b>Marine Pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to DOT
<b><u>TDG</u></b>	Not regulated
<b>Marine Pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to TDG.
<b><u>MEX</u></b>	Not regulated
<b><u>ICAO</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b>Proper Shipping Name</b>	NON REGULATED
<b>Hazard Class</b>	N/A
<b><u>IMDG/IMO</u></b>	Not regulated
<b>Hazard Class</b>	N/A
<b>Marine Pollutant</b>	Product is a marine pollutant according to the criteria set by IMDG/IMO
<b><u>RID</u></b>	Not regulated
<b><u>ADR</u></b>	Not regulated
<b><u>ADN</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
butyl cellosolve - 111-76-2	111-76-2	10 - 30	1.0
Xylene - 1330-20-7	1330-20-7	10 - 30	1.0
1,2,4 Trimethylbenzene - 95-63-6	95-63-6	7 - 13	1.0
Ethylbenzene - 100-41-4	100-41-4	1 - 5	0.1
Naphthalene - 91-20-3	91-20-3	1 - 5	0.1
Cumene - 98-82-8	98-82-8	1 - 5	1.0
Vinyl acetate - 108-05-4	108-05-4	0.1 - 1	0.1

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
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<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb			X
Ethylbenzene 100-41-4	1000 lb	X	X	X
Naphthalene 91-20-3	100 lb	X	X	X
Vinyl acetate 108-05-4	5000 lb			X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Xylene 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Ethylbenzene 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Naphthalene 91-20-3	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 0.454 kg final RQ
Cumene 98-82-8	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Vinyl acetate 108-05-4	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Ethylbenzene - 100-41-4	Carcinogen
Naphthalene - 91-20-3	Carcinogen
Cumene - 98-82-8	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
butyl cellosolve 111-76-2	X	X	X	X	X
Xylene 1330-20-7	X	X	X	X	X
1,2,4 Trimethylbenzene 95-63-6	X	X	X	X	X
Ethylbenzene 100-41-4	X	X	X	X	X
Naphthalene 91-20-3	X	X	X	X	X
1,3,5-Trimethylbenzene	X	X	X		X

108-67-8					
2-ethylhexan-1-ol 104-76-7	X	X	X		
Cumene 98-82-8	X	X	X	X	X
Diethyl Benzene 25340-17-4	X				
Vinyl acetate 108-05-4	X	X	X	X	X

### International Regulations

#### Mexico

#### National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
butyl cellosolve 111-76-2 ( 10 - 30 )		Mexico: TWA 26 ppm Mexico: TWA 120 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 360 mg/m <sup>3</sup>
Xylene 1330-20-7 ( 10 - 30 )		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m <sup>3</sup> Mexico: STEL 150 ppm Mexico: STEL 655 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene 95-63-6 ( 7 - 13 )		Mexico: TWA 25 ppm Mexico: TWA 125 mg/m <sup>3</sup> Mexico: STEL 35 ppm Mexico: STEL 170 mg/m <sup>3</sup>
Ethylbenzene 100-41-4 ( 1 - 5 )		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m <sup>3</sup> Mexico: STEL 125 ppm Mexico: STEL 545 mg/m <sup>3</sup>
Naphthalene 91-20-3 ( 1 - 5 )		Mexico: TWA 10 ppm Mexico: TWA 50 mg/m <sup>3</sup> Mexico: STEL 15 ppm Mexico: STEL 75 mg/m <sup>3</sup>
1,3,5-Trimethylbenzene 108-67-8 ( 1 - 5 )		Mexico: TWA 25 ppm Mexico: TWA 125 mg/m <sup>3</sup> Mexico: STEL 35 ppm Mexico: STEL 170 mg/m <sup>3</sup>
Cumene 98-82-8 ( 1 - 5 )		Mexico: TWA 50 ppm Mexico: TWA 245 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 365 mg/m <sup>3</sup>
Vinyl acetate 108-05-4 ( 0.1 - 1 )	A3	Mexico: TWA 10 ppm Mexico: TWA 30 mg/m <sup>3</sup> Mexico: STEL 20 ppm Mexico: STEL 60 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

A3 - Confirmed Animal Carcinogen

#### Canada

#### WHMIS Hazard Class

B3 - Combustible liquid

D2A - Very toxic materials

D2B - Toxic materials





## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards</b> 3	<b>Flammability</b> 2	<b>Instability</b> 0	<b>Physical and Chemical Hazards - Personal Protection</b> X
<b>HMIS</b>	<b>Health Hazards</b> 2 *	<b>Flammability</b> 2	<b>Physical Hazard</b> 0	

**Chronic Hazard Star Legend** \* = Chronic Health Hazard

<b>Prepared By</b>	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
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### Disclaimer

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**End of Safety Data Sheet**