

# SAFETY DATA SHEET

EnerFlush™



## Section 1. Identification

**GHS product identifier** EnerFlush™.

**Other means of identification** Not available.

**Product code** 11804 16 oz., 11805 32 oz., 11806 gallon.

**Product type** Liquid.

**Identified uses** Engine oil cleaner, diesel oil cleaner.

**Supplier/Manufacturer** EnerTech Labs, Inc.  
 PO Box 732  
 Getzville, NY 14068  
 Tel: 716-597-5761  
 Toll Free: 800-759-2080  
 Fax: 716-328-1766  
 Email: sales@enertechlabs.com  
 Website: www.enertechlabs.com

**Emergency telephone number (with hours of operation)** CHEMTREC, U.S. : 1-800-424-9300  
 24/7

## Section 2. Hazards identification

**OSHA/HCS status** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture**  
 FLAMMABLE LIQUIDS - Category 2  
 ACUTE TOXICITY (oral) - Category 4  
 ACUTE TOXICITY (dermal) - Category 3  
 SKIN CORROSION/IRRITATION - Category 2  
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
 SKIN SENSITIZATION - Category 1  
 ASPIRATION HAZARD - Category 1  
 AQUATIC HAZARD (ACUTE) - Category 1  
 AQUATIC HAZARD (LONG-TERM) - Category 1

### GHS label elements

**Hazard pictograms****Signal word**

Danger

## Section 2. Hazards identification

<b>Hazard statements</b>	<p>H225 - Highly flammable liquid and vapor.  H311 - Toxic in contact with skin.  H302 - Harmful if swallowed.  H319 - Causes serious eye irritation.  H315 - Causes skin irritation.  H317 - May cause an allergic skin reaction.  H304 - May be fatal if swallowed and enters airways.  H410 - Very toxic to aquatic life with long lasting effects.</p>
<b><u>Precautionary statements</u></b>	
<b>Prevention</b>	<p>P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.  P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.  P242 - Use only non-sparking tools.  P243 - Take precautionary measures against static discharge.  P233 - Keep container tightly closed.  P273 - Avoid release to the environment.  P261 - Avoid breathing vapor.  P270 - Do not eat, drink or smoke when using this product.  P264 - Wash hands thoroughly after handling.  P272 - Contaminated work clothing should not be allowed out of the workplace.</p>
<b>Response</b>	<p>P391 - Collect spillage.  P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.  P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  P302 + P352 + P312 + P362-2 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing.  P333 + P313 - If skin irritation or rash occurs: Get medical attention.  P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P337 + P313 - If eye irritation persists: Get medical attention.</p>
<b>Storage</b>	<p>P405 - Store locked up.  P403 - Store in a well-ventilated place.  P235 - Keep cool.</p>
<b>Disposal</b>	<p>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.</p>

### Hazards not otherwise classified (HNOC)

<b>Physical hazards not otherwise classified (PHNOC)</b>	None known.
<b>Health hazards not otherwise classified (HHNOC)</b>	None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	Mixture
<b>Other means of identification</b>	Not available.

### CAS number/other identifiers

<b>CAS number</b>	Not applicable.
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## Section 3. Composition/information on ingredients

Product code 8015 16 oz, 801532 Qt

Ingredient name	%	CAS number
Butyl Cellosolve	10 - 30	111-76-2
Citrus, ext.	10 - 30	94266-47-4
Ethanediol	0.1 - 1	107-21-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
<b>Skin contact</b>	Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. If necessary, call a poison center or physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	Causes serious eye irritation.
<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Skin contact</b>	Toxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
<b>Ingestion</b>	Harmful if swallowed. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	Adverse symptoms may include the following: pain or irritation watering redness
<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Skin contact</b>	Adverse symptoms may include the following: irritation redness

## Section 4. First aid measures

**Ingestion** Adverse symptoms may include the following:  
nausea or vomiting

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** No specific treatment.

**Protection of first-aiders** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** Use dry chemical, CO<sub>2</sub> or foam.

**Unsuitable extinguishing media** Do not use water jet or water-based fire extinguishers.

**Specific hazards arising from the chemical** Highly flammable liquid and vapor. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products** Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

## Section 6. Accidental release measures

### Methods and materials for containment and cleaning up

<b>Spill</b>	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
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## Section 7. Handling and storage

### Precautions for safe handling

<b>Protective measures</b>	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
<b>Advice on general occupational hygiene</b>	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### United States

#### Occupational exposure limits

Ingredient name	Exposure limits
Butyl Cellosolve	<b>ACGIH TLV (United States, 4/2014).</b> TWA: 20 ppm 8 hours. <b>NIOSH REL (United States, 10/2013). Absorbed through skin.</b> TWA: 24 mg/m <sup>3</sup> 10 hours. TWA: 5 ppm 10 hours. <b>OSHA PEL (United States, 2/2013). Absorbed through skin.</b> TWA: 240 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.
Ethanediol	<b>ACGIH TLV (United States, 4/2014).</b> C: 100 mg/m <sup>3</sup> Form: Aerosol. <b>OSHA PEL 1989 (United States, 3/1989).</b> CEIL: 125 mg/m <sup>3</sup> CEIL: 50 ppm

#### Canada

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	Notations
Butyl Cellosolve	US ACGIH 4/2014	20	-	-	-	-	-	-	-	-	
	AB 4/2009	20	97	-	-	-	-	-	-	-	[3]
	BC 7/2013	20	-	-	-	-	-	-	-	-	
	ON 1/2013	20	-	-	-	-	-	-	-	-	[1]
Ethanediol	QC 1/2014	20	97	-	-	-	-	-	-	-	
	US ACGIH 4/2014	-	-	-	-	-	-	-	100	-	[a]
	AB 4/2009	-	-	-	-	-	-	-	100	-	[3] [a]
	BC 7/2013	-	-	-	-	-	-	-	100	-	[a]
		-	10	-	-	20	-	-	-	-	[b]
		-	-	-	-	-	-	50	-	-	[c]
	ON 1/2013	-	-	-	-	-	-	100	-	[a]	
	QC 1/2014	-	-	-	50	127	-	-	-	-	[d]

[1]Absorbed through skin. [3]Skin sensitization

Form: [a]Aerosol. [b]Particulate [c]Vapor [d]vapor and mist

#### Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

#### Individual protection measures

##### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

##### Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

## Section 8. Exposure controls/personal protection

### Skin protection

<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
<b>Body protection</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
<b>Other skin protection</b>	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid. [Clear.]
<b>Color</b>	Colorless.
<b>Odor</b>	Strong.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Closed cup: 9°C (48.2°F) [Pensky-Martens.]
<b>Evaporation rate</b>	1.1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	Not available.
<b>Lower and upper explosive (flammable) limits</b>	Not available.
<b>Vapor pressure</b>	4 kPa (30 mm Hg)
<b>Vapor density</b>	4.1 [Air = 1]
<b>Relative density</b>	0.77
<b>Solubility</b>	Insoluble in water.
<b>Partition coefficient: n-octanol/water</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Volatility</b>	Not available.
<b>VOC (w/w)</b>	100 % (w/w)

## Section 10. Stability and reactivity

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
<b>Incompatible materials</b>	Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Butyl Cellosolve	LC50 Inhalation Vapor	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-
Ethanediol	LD50 Oral	Rat	4700 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Butyl Cellosolve	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
Ethanediol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	1 hours 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	6 hours 1440 mg	-
	Skin - Mild irritant	Rabbit	-	555 mg	-

#### Sensitization

There is no data available.

#### Carcinogenicity

##### Classification

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Butyl Cellosolve	-	3	-	A3	-	-
Ethanediol	-	-	-	A4	-	None.

#### Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

Name	Result
Citrus, ext.	ASPIRATION HAZARD - Category 1



## Section 11. Toxicological information

Information on the likely routes of exposure

Dermal contact. Eye contact. Inhalation. Ingestion.

### Potential acute health effects

<b>Eye contact</b>	Causes serious eye irritation.
<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Skin contact</b>	Toxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
<b>Ingestion</b>	Harmful if swallowed. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Eye contact</b>	Adverse symptoms may include the following: pain or irritation watering redness
<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Skin contact</b>	Adverse symptoms may include the following: irritation redness
<b>Ingestion</b>	Adverse symptoms may include the following: nausea or vomiting

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

<b>Potential immediate effects</b>	No known significant effects or critical hazards.
<b>Potential delayed effects</b>	No known significant effects or critical hazards.

#### Long term exposure

<b>Potential immediate effects</b>	No known significant effects or critical hazards.
<b>Potential delayed effects</b>	No known significant effects or critical hazards.

### Potential chronic health effects

<b>General</b>	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	991.8 mg/kg
Dermal	887.3 mg/kg
Inhalation (vapors)	44.37 mg/L

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Butyl Cellosolve	Acute EC50 >1000 mg/L Fresh water Acute LC50 1000 mg/L Marine water	Daphnia - Daphnia magna Crustaceans - Chaetogammarus marinus - Young	48 hours 48 hours
Ethanediol	Acute LC50 1250000 µg/L Marine water Acute LC50 100000 µg/L Marine water Acute LC50 10000000 µg/L Fresh water Acute LC50 8050000 µg/L Fresh water	Fish - Menidia beryllina Crustaceans - Crangon crangon - Adult Daphnia - Daphnia magna Fish - Pimephales promelas	96 hours 48 hours 48 hours 96 hours

### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Citrus, ext. Ethanediol	- -	- -	Readily Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Butyl Cellosolve Ethanediol	0.81 -1.36	- -	low low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)**                      There is no data available.

**Other adverse effects**                      No known significant effects or critical hazards.






## Section 13. Disposal considerations

**Disposal methods**                      The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT	TDG	IMDG	IATA
<b>UN number</b>	UN1993	UN1993	UN1993	UN1993
<b>UN proper shipping name</b>	FLAMMABLE LIQUIDS, N.O.S. (Citrus, ext.)	FLAMMABLE LIQUIDS, N.O.S. S. (Citrus, ext.)	FLAMMABLE LIQUIDS, N.O.S. (Citrus, ext.). Marine pollutant (Citrus, ext.)	FLAMMABLE LIQUIDS, N.O.S. (Citrus, ext.)

## Section 14. Transport information

Transport hazard class(es)	3 	3 	3  	3 
Packing group	II	II	II	II
Environmental hazards	No.	No.	No.	No.
Additional information	<b>Remarks</b> Limited Quantity Exemption	<b>Remarks</b> Limited Quantity Exemption	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. <b>Emergency schedules (EmS)</b> F-E, S-E <b>Remarks</b> Limited Quantity Exemption	The environmentally hazardous substance mark may appear if required by other transportation regulations. <b>Remarks</b> Limited Quantity Exemption

AERG : 128

**Special precautions for user**      **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code      Not available.

## Section 15. Regulatory information

**U.S. Federal regulations**      **United States inventory (TSCA 8b):** All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)      Listed

Clean Air Act Section 602 Class I Substances      Not listed

Clean Air Act Section 602 Class II Substances      Not listed

DEA List I Chemicals (Precursor Chemicals)      Not listed

DEA List I Chemicals (Precursor Chemicals)      Not listed

**SARA 302/304**

**Composition/information on ingredients**

No products were found.

SARA 304 RQ      Not applicable.

**SARA 311/312**

Classification      Fire hazard  
Immediate (acute) health hazard

**Composition/information on ingredients**

## Section 15. Regulatory information

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Butyl Cellosolve	10 - 30	Yes.	No.	No.	Yes.	No.
Citrus, ext.	10 - 30	Yes.	No.	No.	Yes.	No.
Ethanediol	0.1 - 1	No.	No.	No.	Yes.	No.

### SARA 313

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	Butyl Cellosolve	111-76-2	10 - 30
	Ethanediol	107-21-1	0.1 - 1
<b>Supplier notification</b>	Butyl Cellosolve	111-76-2	10 - 30
	Ethanediol	107-21-1	0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

<b>Massachusetts</b>	The following components are listed: 2-Butoxyethanol; Ethanediol
<b>New York</b>	The following components are listed: Ethanediol
<b>New Jersey</b>	The following components are listed: 2-Butoxyethanol; Ethanediol
<b>Pennsylvania</b>	The following components are listed: 2-Butoxyethanol; Ethanediol
<b>California Prop. 65</b>	No products were found.

### Canada

#### Canadian lists

<b>Canadian NPRI</b>	The following components are listed: Butyl Cellosolve; Ethanediol
<b>CEPA Toxic substances</b>	The following components are listed: Butyl Cellosolve
<b>Canada inventory</b>	Not determined.

### International lists

#### National inventory

<b>Australia</b>	Not determined.
<b>China</b>	All components are listed or exempted.
<b>Europe</b>	All components are listed or exempted.
<b>Japan</b>	Not determined.
<b>Malaysia</b>	Not determined.
<b>New Zealand</b>	All components are listed or exempted.
<b>Philippines</b>	Not determined.
<b>Republic of Korea</b>	Not determined.
<b>Taiwan</b>	Not determined.

## Section 16. Other information

### History

Date of issue mm/dd/yyyy	05/01/2015
Version	1
Prepared by	KMK Regulatory Services Inc.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.