




# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>NAPA® Engine Degreaser</b>
<b>Other means of identification</b>	
<b>Product code</b>	No. 091433 (Item# 1007993)
<b>Recommended use</b>	Engine degreaser
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufactured or sold by:</b>	
<b>Company name</b>	CRC Industries, Inc.
<b>Address</b>	885 Louis Dr. Warminster, PA 18974 US
<b>Telephone</b>	
<b>General Information</b>	215-674-4300
<b>Technical Assistance</b>	800-521-3168
<b>Customer Service</b>	800-272-4620
<b>24-Hour Emergency</b>	800-424-9300 (US)
<b>(CHEMTREC)</b>	703-527-3887 (International)
<b>Website</b>	www.crcindustries.com

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable aerosols Gases under pressure	Category 1 Compressed gas
<b>Health hazards</b>	Skin corrosion/irritation Serious eye damage/eye irritation Germ cell mutagenicity Carcinogenicity Reproductive toxicity (the unborn child) Aspiration hazard	Category 2 Category 2A Category 2 Category 2 Category 2 Category 1
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard Hazardous to the aquatic environment, long-term hazard	Category 3 Category 3
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		

**Signal word**

Danger

**Hazard statement**

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Suspected of causing genetic defects. Suspected of causing cancer. Suspected of damaging the unborn child. Harmful to aquatic life with long lasting effects.

## Precautionary statement

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not apply while equipment is energized. Extinguish all flames, pilot lights and heaters. Vapors will accumulate readily and may ignite. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

### Response

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. 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. If exposed or concerned: Get medical advice/attention.

### Storage

Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.

### Disposal

Dispose of contents/container in accordance with local/regional/national regulations.

### Hazard(s) not otherwise classified (HNOC)

None known.

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## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
distillates (petroleum), hydrotreated light		64742-47-8	80 - 90
distillates (petroleum), hydrodesulfurized middle	Diesel Fuel No. 2	64742-80-9	5 - 10
ethoxylated nonylphenol, branched		68412-54-4	5 - 10
2-butoxyethanol		111-76-2	1 - 3
carbon dioxide		124-38-9	1 - 3
xylene		1330-20-7	1 - 3
ethylbenzene		100-41-4	< 1
toluene		108-88-3	< 0.2

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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## 4. First-aid measures

### Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

### Skin contact

Remove contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

### Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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

Aspiration may cause pulmonary edema and pneumonitis. Headache. Nausea, vomiting. Diarrhea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

### General information

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

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## 5. Fire-fighting measures

### Suitable extinguishing media

Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).

### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire-fighting equipment/instructions</b>	In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up.
<b>General fire hazards</b>	Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Protect containers from physical damage; do not drag, roll, slide, or drop. When moving containers, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport containers. Do not get in eyes, on skin, or on clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, see the product label.
<b>Conditions for safe storage, including any incompatibilities</b>	Level 3 Aerosol.  Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-butoxyethanol (CAS 111-76-2)	PEL	240 mg/m <sup>3</sup>
carbon dioxide (CAS 124-38-9)	PEL	50 ppm 9000 mg/m <sup>3</sup>
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)	PEL	5000 ppm 400 mg/m <sup>3</sup>

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
distillates (petroleum), hydrotreated light (CAS 64742-47-8)	PEL	100 ppm
		400 mg/m3
ethylbenzene (CAS 100-41-4)	PEL	100 ppm
		435 mg/m3
xylene (CAS 1330-20-7)	PEL	100 ppm
		435 mg/m3
		100 ppm

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

Components	Type	Value
toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
2-butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)	TWA	5000 ppm	Inhalable fraction.
	TWA	5 mg/m3	
ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
toluene (CAS 108-88-3)	TWA	20 ppm	
xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
2-butoxyethanol (CAS 111-76-2)	TWA	24 mg/m3
		5 ppm
carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3
		30000 ppm
		9000 mg/m3
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)	TWA	5000 ppm
		400 mg/m3
distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	100 ppm
		100 mg/m3
ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
		435 mg/m3
toluene (CAS 108-88-3)	TWA	100 ppm
		560 mg/m3
		150 ppm
		375 mg/m3
	TWA	100 ppm

## Biological limit values

### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-butoxyethanol (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	*
ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*
xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

\* - For sampling details, please see the source document.

## Exposure guidelines

### US - California OELs: Skin designation

2-butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

toluene (CAS 108-88-3)

Can be absorbed through the skin.

### US - Minnesota Haz Subs: Skin designation applies

2-butoxyethanol (CAS 111-76-2)

Skin designation applies.

toluene (CAS 108-88-3)

Skin designation applies.

### US - Tennessee OELs: Skin designation

2-butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

2-butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

2-butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

## Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

## Individual protection measures, such as personal protective equipment

### Eye/face protection

Wear safety glasses with side shields (or goggles).

### Skin protection

#### Hand protection

Wear protective gloves such as: Nitrile. Neoprene.

#### Other

Wear appropriate chemical resistant clothing.

### Respiratory protection

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

#### Physical state

Liquid.

#### Form

Aerosol.

#### Color

Amber.

### Odor

Petroleum.

### Odor threshold

Not available.

<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	-103 °F (-75 °C) estimated
<b>Initial boiling point and boiling range</b>	250 °F (121.1 °C)
<b>Flash point</b>	162 °F (72.2 °C) Setflash
<b>Evaporation rate</b>	Slow.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	0.7 %
<b>Flammability limit - upper (%)</b>	5 %
<b>Vapor pressure</b>	1602.8 hPa estimated
<b>Vapor density</b>	> 1 (air = 1)
<b>Relative density</b>	0.83
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	428 °F (220 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>Viscosity (kinematic)</b>	Not available.
<b>Percent volatile</b>	97.2 % estimated

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## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents. Halogens.
<b>Hazardous decomposition products</b>	Carbon oxides. Aldehydes. Ketones. Organic acids.

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## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

**Eye contact** Causes serious eye irritation.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

**Symptoms related to the physical, chemical and toxicological characteristics** Aspiration may cause pulmonary edema and pneumonitis. Headache. Nausea, vomiting. Diarrhea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

Components	Species	Test Results
2-butoxyethanol (CAS 111-76-2)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	1300 mg/kg
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Rat	10 - 20 mg/l, 4 hours
distillates (petroleum), hydrotreated light (CAS 64742-47-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 20 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
ethoxylated nonylphenol, branched (CAS 68412-54-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	4400 mg/kg 2830 mg/kg
<b>Oral</b>		
LD50	Rat	3000 mg/kg
ethylbenzene (CAS 100-41-4)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	17.2 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	3500 mg/kg
xylene (CAS 1330-20-7)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	4300 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	Suspected of causing genetic defects.
<b>Carcinogenicity</b>	Suspected of causing cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

2-butoxyethanol (CAS 111-76-2)	3 Not classifiable as to carcinogenicity to humans.
ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

## US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

<b>Reproductive toxicity</b>	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging the unborn child.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death.
<b>Chronic effects</b>	May be harmful if absorbed through skin. Prolonged inhalation may be harmful.  2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.  Prolonged exposure may cause chronic effects.

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## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
2-butoxyethanol (CAS 111-76-2)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	1550 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	>= 1000 mg/l, 96 hours
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.8 mg/l, 96 hours
			8.8 mg/l, 96 hours
distillates (petroleum), hydrotreated light (CAS 64742-47-8)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/l, 48 hours
ethoxylated nonylphenol, branched (CAS 68412-54-4)			
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Bluegill (Lepomis macrochirus)	> 10 mg/l, 96 hours
ethylbenzene (CAS 100-41-4)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	2.1 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	12.1 mg/l, 96 hours
toluene (CAS 108-88-3)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	6 mg/l, 48 hours
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch)	5.5 mg/l, 96 hours



Components	Species	Test Results
xylene (CAS 1330-20-7)		
<b>Aquatic</b>		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)
		9.5 - 19.2 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

#### Persistence and degradability

#### Bioaccumulative potential

##### Partition coefficient n-octanol / water (log Kow)

2-butoxyethanol	0.81, log Pow
ethylbenzene	3.15
toluene	2.73
xylene	3.12 - 3.2

##### Bioconcentration factor (BCF)

toluene	90
xylene	15

**Mobility in soil** No data available.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

### 13. Disposal considerations

**Disposal of waste from residues / unused products** The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33). Empty container can be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

**Hazardous waste code** Not regulated.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

#### DOT

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not applicable.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	N82
<b>Packaging exceptions</b>	306
<b>Packaging non bulk</b>	304
<b>Packaging bulk</b>	None

#### IATA

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not applicable.
<b>ERG Code</b>	10L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.

**IMDG**

**UN number** UN1950  
**UN proper shipping name** AEROSOLS, Limited Quantity  
**Transport hazard class(es)**  
**Class** 2  
**Subsidiary risk** -  
**Packing group** Not applicable.  
**Environmental hazards**  
**Marine pollutant** No.  
**EmS** F-D, S-U  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**SARA 304 Emergency release notification**

Not regulated.

**TSCA Chemical Action Plans, Chemicals of Concern**

ethoxylated nonylphenol, branched (CAS 68412-54-4) Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEs) Action Plan

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

2-butoxyethanol (CAS 111-76-2)  
 ethylbenzene (CAS 100-41-4)  
 xylene (CAS 1330-20-7)

**CERCLA Hazardous Substance List (40 CFR 302.4)**

2-butoxyethanol (CAS 111-76-2)	Listed.
ethylbenzene (CAS 100-41-4)	Listed.
toluene (CAS 108-88-3)	Listed.
xylene (CAS 1330-20-7)	Listed.

**CERCLA Hazardous Substances: Reportable quantity**

ethylbenzene (CAS 100-41-4)	1000 LBS
toluene (CAS 108-88-3)	1000 LBS
xylene (CAS 1330-20-7)	100 LBS

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

xylene (CAS 1330-20-7)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

toluene (CAS 108-88-3)	6594
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**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

toluene (CAS 108-88-3)	35 %WV
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**DEA Exempt Chemical Mixtures Code Number**

toluene (CAS 108-88-3)	594
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**Food and Drug Administration (FDA)** Not regulated.

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

**Section 311/312** Immediate Hazard - Yes  
**Hazard categories** Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - Yes  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

## US state regulations

### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

#### (a)

2-butoxyethanol (CAS 111-76-2)  
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
distillates (petroleum), hydrotreated light (CAS 64742-47-8)  
ethylbenzene (CAS 100-41-4)  
toluene (CAS 108-88-3)  
xylene (CAS 1330-20-7)

### US. New Jersey Worker and Community Right-to-Know Act

2-butoxyethanol (CAS 111-76-2)  
carbon dioxide (CAS 124-38-9)  
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
ethylbenzene (CAS 100-41-4)  
toluene (CAS 108-88-3)  
xylene (CAS 1330-20-7)

### US. Massachusetts RTK - Substance List

2-butoxyethanol (CAS 111-76-2)  
carbon dioxide (CAS 124-38-9)  
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
ethylbenzene (CAS 100-41-4)  
toluene (CAS 108-88-3)  
xylene (CAS 1330-20-7)

### US. Pennsylvania Worker and Community Right-to-Know Law

2-butoxyethanol (CAS 111-76-2)  
carbon dioxide (CAS 124-38-9)  
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
distillates (petroleum), hydrotreated light (CAS 64742-47-8)  
ethylbenzene (CAS 100-41-4)  
toluene (CAS 108-88-3)  
xylene (CAS 1330-20-7)

### US. Rhode Island RTK

2-butoxyethanol (CAS 111-76-2)  
carbon dioxide (CAS 124-38-9)  
distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
ethylbenzene (CAS 100-41-4)  
toluene (CAS 108-88-3)  
xylene (CAS 1330-20-7)

### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,4-dioxane (CAS 123-91-1)	Listed: January 1, 1988
benzene (CAS 71-43-2)	Listed: February 27, 1987
cumene (CAS 98-82-8)	Listed: April 6, 2010
ethylbenzene (CAS 100-41-4)	Listed: June 11, 2004
ethylene oxide (CAS 75-21-8)	Listed: July 1, 1987
naphthalene (CAS 91-20-3)	Listed: April 19, 2002

#### US - California Proposition 65 - CRT: Listed date/Developmental toxin

benzene (CAS 71-43-2)	Listed: December 26, 1997
ethylene oxide (CAS 75-21-8)	Listed: August 7, 2009
toluene (CAS 108-88-3)	Listed: January 1, 1991

#### US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

ethylene oxide (CAS 75-21-8)	Listed: February 27, 1987
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**US - California Proposition 65 - CRT: Listed date/Male reproductive toxin**

benzene (CAS 71-43-2)

Listed: December 26, 1997

ethylene oxide (CAS 75-21-8)

Listed: August 7, 2009


**Volatile organic compounds (VOC) regulations****EPA****VOC content (40 CFR 51.100(s))** 97.2 %**Consumer products (40 CFR 59, Subpt. C)** Compliant**State****Consumer products** This product is regulated as an Engine Degreaser (aerosol). This product is compliant for use in all 50 states.**VOC content (CA)** 10 %**VOC content (OTC)** 10 %**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	09-18-2013
<b>Revision date</b>	07-14-2017
<b>Prepared by</b>	Allison Yoon
<b>Version #</b>	02
<b>Further information</b>	CRC # 567S/1002589
<b>HMIS® ratings</b>	Health: 2* Flammability: 3 Physical hazard: 0 Personal protection: B
<b>NFPA ratings</b>	Health: 2 Flammability: 3 Instability: 0
<b>NFPA ratings</b>	

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**Revision Information**

This document has undergone significant changes and should be reviewed in its entirety.