



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>NAPA® Motor Treatment</b>	
<b>Other means of identification</b>		
<b>Product code</b>	No. 79516 (Item# 1006465)	
<b>Recommended use</b>	Fuel system cleaner	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufactured or sold by:</b>		
<b>Company name</b>	CRC Canada Co.	
<b>Address</b>	2-1246 Lorimar Dr. Mississauga, Ontario L5S 1R2 Canada	
<b>Telephone</b>	905-670-2291	
<b>Website</b>	www.crc-canada.ca	
<b>E-mail</b>	Support.CA@crcindustries.com	
<b>Emergency phone number</b>	24-Hour Emergency (CHEMTREC)	800-424-9300 (Canada) 703-527-3887 (International)

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2 (central nervous system)
	Aspiration hazard	Category 1
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2

### Label elements



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs (central nervous system) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.
<b>Precautionary statement</b>	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe the mist or vapor. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

<b>Response</b>	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. 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. In case of fire: Do not use water jet as an extinguisher, as this will spread the fire. Collect spillage.
<b>Storage</b>	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards</b>	None known.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
stoddard solvent		8052-41-3	15 - 40
2-butoxyethanol		111-76-2	10 - 30
distillates (petroleum), hydrotreated heavy paraffinic		64742-54-7	10 - 30
distillates (petroleum), hydrotreated light paraffinic		64742-55-8	10 - 30
naphtha (petroleum), hydrotreated heavy		64742-48-9	10 - 30
1,2,4-trimethylbenzene		95-63-6	1 - 5
n-nonane		111-84-2	1 - 5
solvent naphtha (petroleum), light arom.		64742-95-6	1 - 5
trimethylbenzene		25551-13-7	1 - 5
cumene		98-82-8	0.1 - 1
ethylbenzene		100-41-4	0.1 - 1
naphthalene		91-20-3	0.1 - 1
toluene		108-88-3	0.1 - 1

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

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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.
<b>Most important symptoms/effects, acute and delayed</b>	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Take off all contaminated clothing immediately. 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. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Flammable liquid and vapor.

## 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. 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>	Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water. Prevent product from entering drains.  Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. 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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### ACGIH

#### Components

distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

#### Type

TWA

#### Value

5 mg/m<sup>3</sup>

#### Form

Inhalable fraction

#### US. ACGIH Threshold Limit Values

#### Components

1,2,4-trimethylbenzene (CAS 95-63-6)

#### Type

TWA

#### Value

25 ppm

#### Form

2-butoxyethanol (CAS 111-76-2)

TWA

20 ppm

cumene (CAS 98-82-8)

TWA

50 ppm

distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

TWA

5 mg/m<sup>3</sup>

Inhalable fraction.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.
ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
naphthalene (CAS 91-20-3)	TWA	10 ppm	
n-nonane (CAS 111-84-2)	TWA	200 ppm	
stoddard solvent (CAS 8052-41-3)	TWA	100 ppm	
toluene (CAS 108-88-3)	TWA	20 ppm	
trimethylbenzene (CAS 25551-13-7)	TWA	25 ppm	

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Components	Type	Value	Form
1,2,4-trimethylbenzene (CAS 95-63-6)	TWA	123 mg/m <sup>3</sup>	
		25 ppm	
2-butoxyethanol (CAS 111-76-2)	TWA	97 mg/m <sup>3</sup>	
		20 ppm	
cumene (CAS 98-82-8)	TWA	246 mg/m <sup>3</sup>	
		50 ppm	
distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	
ethylbenzene (CAS 100-41-4)	STEL	543 mg/m <sup>3</sup>	Mist.
		125 ppm	
	TWA	434 mg/m <sup>3</sup>	
		100 ppm	
naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)	TWA	1590 mg/m <sup>3</sup>	
		400 ppm	
naphthalene (CAS 91-20-3)	STEL	79 mg/m <sup>3</sup>	
		15 ppm	
	TWA	52 mg/m <sup>3</sup>	
		10 ppm	
n-nonane (CAS 111-84-2)	TWA	1050 mg/m <sup>3</sup>	
		200 ppm	
solvent naphtha (petroleum), light arom. (CAS 64742-95-6)	TWA	1590 mg/m <sup>3</sup>	
		400 ppm	
stoddard solvent (CAS 8052-41-3)	TWA	572 mg/m <sup>3</sup>	
		100 ppm	
toluene (CAS 108-88-3)	TWA	188 mg/m <sup>3</sup>	
		50 ppm	
trimethylbenzene (CAS 25551-13-7)	TWA	123 mg/m <sup>3</sup>	
		25 ppm	

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value	Form
1,2,4-trimethylbenzene (CAS 95-63-6)	TWA	25 ppm	
2-butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
cumene (CAS 98-82-8)	STEL	75 ppm	
	TWA	25 ppm	
distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	1 mg/m3	Mist.
distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	TWA	0.2 mg/m3	Mist.
ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
naphthalene (CAS 91-20-3)	STEL	15 ppm	
	TWA	10 ppm	
n-nonane (CAS 111-84-2)	TWA	200 ppm	
stoddard solvent (CAS 8052-41-3)	STEL	580 mg/m3	
	TWA	290 mg/m3	
toluene (CAS 108-88-3)	TWA	20 ppm	
trimethylbenzene (CAS 25551-13-7)	TWA	25 ppm	

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

Components	Type	Value	Form
1,2,4-trimethylbenzene (CAS 95-63-6)	TWA	25 ppm	
2-butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
cumene (CAS 98-82-8)	TWA	50 ppm	
distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3	Inhalable fraction.
distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	TWA	5 mg/m3	Inhalable fraction.
ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
naphthalene (CAS 91-20-3)	TWA	10 ppm	
n-nonane (CAS 111-84-2)	TWA	200 ppm	
stoddard solvent (CAS 8052-41-3)	TWA	100 ppm	
toluene (CAS 108-88-3)	TWA	20 ppm	
trimethylbenzene (CAS 25551-13-7)	TWA	25 ppm	

**Canada - Ontario**

Components	Type	Value
distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	STEL	10 mg/m3
	TWA	5 mg/m3

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value	Form
1,2,4-trimethylbenzene (CAS 95-63-6)	TWA	25 ppm	
2-butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
cumene (CAS 98-82-8)	TWA	50 ppm	

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value	Form
distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3	Inhalable fraction.
ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)	TWA	525 mg/m3	
naphthalene (CAS 91-20-3)	STEL	15 ppm	
	TWA	10 ppm	
n-nonane (CAS 111-84-2)	TWA	200 ppm	
stoddard solvent (CAS 8052-41-3)	TWA	100 ppm	
toluene (CAS 108-88-3)	TWA	20 ppm	
trimethylbenzene (CAS 25551-13-7)	TWA	25 ppm	

**Canada - Quebec**

Components	Type	Value	
distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	STEL	10 mg/m3	
	TWA	5 mg/m3	

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Components	Type	Value	Form
1,2,4-trimethylbenzene (CAS 95-63-6)	TWA	123 mg/m3	
		25 ppm	
2-butoxyethanol (CAS 111-76-2)	TWA	97 mg/m3	
		20 ppm	
cumene (CAS 98-82-8)	TWA	246 mg/m3	
		50 ppm	
distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	
ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3	Mist.
		125 ppm	
	TWA	434 mg/m3	
		100 ppm	
naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)	TWA	1590 mg/m3	
		400 ppm	
naphthalene (CAS 91-20-3)	STEL	79 mg/m3	
		15 ppm	
	TWA	52 mg/m3	
		10 ppm	
n-nonane (CAS 111-84-2)	TWA	1050 mg/m3	
		200 ppm	
solvent naphtha (petroleum), light arom. (CAS 64742-95-6)	TWA	1590 mg/m3	
		400 ppm	
stoddard solvent (CAS 8052-41-3)	TWA	525 mg/m3	
		100 ppm	
toluene (CAS 108-88-3)	TWA	188 mg/m3	
		50 ppm	

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Components	Type	Value	Form
trimethylbenzene (CAS 25551-13-7)	TWA	123 mg/m3	
		25 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	*

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

**Exposure guidelines**

**Canada - Alberta OELs: Skin designation**

naphthalene (CAS 91-20-3) Can be absorbed through the skin.  
 toluene (CAS 108-88-3) Can be absorbed through the skin.

**Canada - British Columbia OELs: Skin designation**

naphthalene (CAS 91-20-3) Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

naphthalene (CAS 91-20-3) Can be absorbed through the skin.

**Canada - Ontario OELs: Skin designation**

naphthalene (CAS 91-20-3) Can be absorbed through the skin.

**Canada - Quebec OELs: Skin designation**

toluene (CAS 108-88-3) Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Skin designation**

naphthalene (CAS 91-20-3) Can be absorbed through the skin.  
 toluene (CAS 108-88-3) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

naphthalene (CAS 91-20-3) Can be absorbed through the skin.

**Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. 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: Butyl rubber. Nitrile. Neoprene. Polyvinyl chloride (PVC).

**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.

**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.

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## 9. Physical and chemical properties

### Appearance

Physical state	Liquid.
Form	Liquid.
Color	Clear.

**Odor** Petroleum.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** -103 °F (-75 °C) estimated

**Initial boiling point and boiling range** 318.2 °F (159 °C) estimated

**Flash point** 117 °F (47.2 °C) Tag Closed Cup

**Evaporation rate** Slow.

**Flammability (solid, gas)** Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** 0.8 % estimated

**Flammability limit - upper (%)** 10.6 % estimated

**Vapor pressure** 1.7 hPa estimated

**Vapor density** 4.7 (air = 1)

**Relative density** 0.82

### Solubility(ies)

**Solubility (water)** Negligible.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** 446 °F (230 °C) estimated

**Decomposition temperature** Not available.

**Viscosity** Not available.

### Other information

**Percent volatile** 83 % estimated

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## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** Carbon oxides. Aldehydes. Ketones. Organic acids.

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## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system.

**Skin contact** 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. May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.

**Information on toxicological effects**

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

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
NAPA® Motor Treatment		
<b>Acute</b>		
<b>Dermal</b>		
ATEmix		2043.7777 mg/kg
<b>Oral</b>		
ATEmix		3123.4383 mg/kg
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
1,2,4-trimethylbenzene (CAS 95-63-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3160 mg/kg
cumene (CAS 98-82-8)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	1400 mg/kg
distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5 mg/l
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
naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
naphthalene (CAS 91-20-3)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	490 mg/kg
n-nonane (CAS 111-84-2)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	3200 ppm, 4 Hours
stoddard solvent (CAS 8052-41-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3000 mg/kg

Components	Species	Test Results
<b>Inhalation</b>		
LC50	Rat	> 5500 mg/m <sup>3</sup> , 4 hours > 5.5 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg

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

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Respiratory or skin sensitization**

**Canada - Alberta OELs: Irritant**

2-butoxyethanol (CAS 111-76-2) Irritant

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Suspected of causing cancer.

**ACGIH Carcinogens**

distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) A4 Not classifiable as a human carcinogen.

distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) A4 Not classifiable as a human carcinogen.

ethylbenzene (CAS 100-41-4) A3 Confirmed animal carcinogen with unknown relevance to humans.

naphthalene (CAS 91-20-3) A3 Confirmed animal carcinogen with unknown relevance to humans.

toluene (CAS 108-88-3) A4 Not classifiable as a human carcinogen.

**Canada - Manitoba OELs: carcinogenicity**

distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) Not classifiable as a human carcinogen.

distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) Not classifiable as a human carcinogen.

ethylbenzene (CAS 100-41-4) Confirmed animal carcinogen with unknown relevance to humans.

naphthalene (CAS 91-20-3) Confirmed animal carcinogen with unknown relevance to humans.

toluene (CAS 108-88-3) Not classifiable as a human carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

2-butoxyethanol (CAS 111-76-2) 3 Not classifiable as to carcinogenicity to humans.

cumene (CAS 98-82-8) 2B Possibly carcinogenic to humans.

distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) 3 Not classifiable as to carcinogenicity to humans.

ethylbenzene (CAS 100-41-4) 2B Possibly carcinogenic to humans.

naphthalene (CAS 91-20-3) 2B Possibly carcinogenic to humans.

stoddard solvent (CAS 8052-41-3) 3 Not classifiable as to carcinogenicity 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.

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

cumene (CAS 98-82-8) Reasonably Anticipated to be a Human Carcinogen.

naphthalene (CAS 91-20-3) Reasonably Anticipated to be a Human Carcinogen.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** May cause respiratory irritation. May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure** May cause damage to organs (central nervous system) through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects**

May cause damage to organs through prolonged or repeated exposure. 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**

Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
1,2,4-trimethylbenzene (CAS 95-63-6)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	7.19 - 8.28 mg/l, 96 hours
<i>Acute</i>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	3.6 mg/l, 48 hours
2-butoxyethanol (CAS 111-76-2)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	1550 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	>= 1000 mg/l, 96 hours
cumene (CAS 98-82-8)			
<b>Aquatic</b>			
Crustacea	EC50	Brine shrimp ( <i>Artemia</i> sp.)	3.55 - 11.29 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	2.7 mg/l, 96 hours
distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	> 100 mg/l, 96 hours
ethylbenzene (CAS 100-41-4)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	2.1 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	12.1 mg/l, 96 hours
naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia pulex</i> )	2.7 - 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	8.8 mg/l, 96 hours
			8.8 mg/l, 96 hours
naphthalene (CAS 91-20-3)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	1.09 - 3.4 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	1.6 mg/l, 96 hours
solvent naphtha (petroleum), light arom. (CAS 64742-95-6)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia pulex</i> )	2.7 - 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	8.8 mg/l, 96 hours

Components	Species	Test Results
		8.8 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

\* 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
cumene	3.66
ethylbenzene	3.15
naphthalene	3.3
n-nonane	5.46
stoddard solvent	3.16 - 7.15
toluene	2.73

##### Bioconcentration factor (BCF)

toluene	90
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**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal of waste from residues / unused products** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** 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

#### TDG

<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (petroleum distillates, 2-butoxyethanol), Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	16

#### IATA

<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	Flammable liquid, n.o.s. (petroleum distillates, 2-butoxyethanol), Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	3L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

#### Other information

**Passenger and cargo aircraft** Allowed with restrictions.

<b>Cargo aircraft only</b>	Allowed with restrictions.
<b>IMDG</b>	
<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (petroleum distillates, 2-butoxyethanol), Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	F-E, S-E
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Controlled Drugs and Substances Act

Not regulated.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

ethylbenzene (CAS 100-41-4)

naphthalene (CAS 91-20-3)

toluene (CAS 108-88-3)

### Precursor Control Regulations

toluene (CAS 108-88-3)

Class B

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

naphthalene (CAS 91-20-3)

### 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)	Yes
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

Country(s) or region	Inventory name	On inventory (yes/no)*
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).

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## 16. Other information

<b>Issue date</b>	07-13-2017
<b>Version #</b>	01
<b>Further information</b>	CRC # 864/1002839
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