

## 1. Identification

<b>Product identifier</b>	<b>Kerosene</b>
<b>Other means of identification</b>	Not available.
<b>Recommended use</b>	Fuel
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Company name</b>	Irving Blending & Packaging
<b>Address</b>	555 Courtenay Bay Causeway Saint John NB E2L 4E6 Canada
<b>Telephone</b>	1.800.574.5823
<b>E-mail</b>	Not available.
<b>Emergency phone number</b>	1.800.424.9300 (CHEMTREC)
<b>Supplier</b>	See above.

## 2. Hazard identification

<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 1
	Aspiration hazard	Category 1
<b>Environmental hazards</b>	Not classified.	
<b>WHMIS 2015 defined hazards</b>	Not classified	
<b>Label elements</b>		



**Signal word**                      Danger

**Hazard statement**              Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

**Precautionary statement**

**Prevention**

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. Ground and bond container and receiving equipment. Use non-sparking tools. Take action to prevent static discharges. Use explosion-proof electrical, ventilating and lighting equipment. Do not breathe mist or vapor. Wear protective gloves, protective clothing, eye protection and face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

**Response**

In case of fire: Use appropriate media to extinguish.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation occurs: Get medical attention.  
 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 attention.  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.  
 IF exposed or concerned: Get medical attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.

**Storage**

Store in a well-ventilated place. Keep cool. Store locked up.

<b>Disposal</b>	Dispose of container in accordance with local, regional, national and international regulations.
<b>WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)</b>	None known
<b>WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)</b>	None known
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/Information on ingredients

#### Mixture

Chemical name	Common name and synonyms	CAS number	%
Benzene, 1,2,4-trimethyl-		95-63-6	1-5*
Distillates (petroleum), light hydrotreated		64742-47-8	15-40*
Ethylbenzene		100-41-4	0.1-1*
Naphthalene		91-20-3	0.1-1*
Nonane		111-84-2	1-5*
Stoddard solvent		8052-41-3	45-70*
Xylene		1330-20-7	0.1-1*

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

**Composition comments** US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

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

### 4. First-aid measures

<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin contact</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical attention. Specific treatment (see information on this label).
<b>Eye contact</b>	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 attention.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice. 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. Avoid contact with eyes, skin and clothing. Wash contaminated clothing before reuse. Wear rubber gloves and chemical splash goggles. Keep out of reach of children.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide.
<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>	During fire, gases hazardous to health may be formed. Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back.
<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>	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.
<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.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep people away from and upwind of spill/leak. Keep out of low areas. 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>	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. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Never return spills in original containers for re-use. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.

## 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapor. Avoid prolonged exposure. Wear appropriate personal protective equipment. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Wash hands thoroughly after handling. When handling, do not eat, drink or smoke.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Store locked up.

## 8. Exposure controls/Personal protection

### Occupational exposure limits

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

Components	Type	Value	Form
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	123 mg/m3	
		25 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m3	Vapor.
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3	
		125 ppm	
Naphthalene (CAS 91-20-3)	TWA	434 mg/m3	
		100 ppm	
Nonane (CAS 111-84-2)	STEL	79 mg/m3	
		15 ppm	
Stoddard solvent (CAS 8052-41-3)	TWA	52 mg/m3	
		10 ppm	
Xylene (CAS 1330-20-7)	TWA	1050 mg/m3	
		200 ppm	
	TWA	572 mg/m3	
		100 ppm	
	STEL	651 mg/m3	
		150 ppm	
	TWA	434 mg/m3	
		100 ppm	

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

Components	Type	Value	Form
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m3	Non-aerosol.

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

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Naphthalene (CAS 91-20-3)	TWA	10 ppm	
Nonane (CAS 111-84-2)	TWA	200 ppm	
Stoddard solvent (CAS 8052-41-3)	STEL	580 mg/m3	
	TWA	290 mg/m3	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

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

<b>Components</b>	<b>Type</b>	<b>Value</b>
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Naphthalene (CAS 91-20-3)	TWA	10 ppm
Nonane (CAS 111-84-2)	TWA	200 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

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

<b>Components</b>	<b>Type</b>	<b>Value</b>
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Naphthalene (CAS 91-20-3)	TWA	10 ppm
Nonane (CAS 111-84-2)	TWA	200 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	123 mg/m3
		25 ppm
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3
		125 ppm
	TWA	434 mg/m3
		100 ppm
Naphthalene (CAS 91-20-3)	STEL	79 mg/m3
		15 ppm
	TWA	52 mg/m3
		10 ppm
Nonane (CAS 111-84-2)	TWA	1050 mg/m3
		200 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	525 mg/m3
		100 ppm
Xylene (CAS 1330-20-7)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

Components	Type	Value
		100 ppm

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

Components	Type	Value	Form
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	15 minute	30 ppm	
	8 hour	25 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	15 minute	250 mg/m3	Vapor.
	8 hour	200 mg/m3	Vapor.
Ethylbenzene (CAS 100-41-4)	15 minute	125 ppm	
	8 hour	100 ppm	
Naphthalene (CAS 91-20-3)	15 minute	15 ppm	
	8 hour	10 ppm	
Nonane (CAS 111-84-2)	15 minute	250 ppm	
	8 hour	200 ppm	
Stoddard solvent (CAS 8052-41-3)	15 minute	125 ppm	
	8 hour	100 ppm	
Xylene (CAS 1330-20-7)	15 minute	150 ppm	
	8 hour	100 ppm	

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

Components	Type	Value
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3
		100 ppm
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3
		10 ppm
Stoddard solvent (CAS 8052-41-3)	PEL	2900 mg/m3
		500 ppm
Xylene (CAS 1330-20-7)	PEL	435 mg/m3
		100 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Naphthalene (CAS 91-20-3)	TWA	10 ppm
Nonane (CAS 111-84-2)	TWA	200 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

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

Components	Type	Value
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	125 mg/m3
		25 ppm
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	100 mg/m3
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3

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

<b>Components</b>	<b>Type</b>	<b>Value</b>
		125 ppm
	TWA	435 mg/m3
		100 ppm
Naphthalene (CAS 91-20-3)	STEL	75 mg/m3
		15 ppm
	TWA	50 mg/m3
		10 ppm
Nonane (CAS 111-84-2)	TWA	1050 mg/m3
		200 ppm
Stoddard solvent (CAS 8052-41-3)	Ceiling	1800 mg/m3
	TWA	350 mg/m3
Xylene (CAS 1330-20-7)	STEL	655 mg/m3
		150 ppm
	TWA	435 mg/m3
		100 ppm

**Biological limit values**

**ACGIH Biological Exposure Indices**

<b>Components</b>	<b>Value</b>	<b>Determinant</b>	<b>Specimen</b>	<b>Sampling Time</b>
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

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

**Exposure guidelines** See above

**Canada - Alberta OELs: Skin designation**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Can be absorbed through the skin.  
 Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

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

Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Can be absorbed through the skin.  
 Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

Naphthalene (CAS 91-20-3) Danger of cutaneous absorption

**Canada - Ontario OELs: Skin designation**

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

**Canada - Saskatchewan OELs: Skin designation**

Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Can be absorbed through the skin.  
 Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

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

Naphthalene (CAS 91-20-3) Danger of cutaneous absorption

**Appropriate engineering controls** Ensure adequate ventilation.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Rubber gloves. Confirm with a reputable supplier first.

**Other** As required by employer code.

**Respiratory protection** Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

**Thermal hazards** Not applicable.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

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## 9. Physical and chemical properties

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<b>Appearance</b>	Clear
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Colorless
<b>Odor</b>	Mild petroleum
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	< -65.2 °F (< -54 °C)
<b>Initial boiling point and boiling range</b>	329 °F (165 °C)
<b>Pour point</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Flash point</b>	116.6 °F (47.0 °C)
<b>Evaporation rate</b>	0.1
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	0.22 kPa @ 20°C
<b>Vapor density</b>	5 @ 101kPa
<b>Relative density</b>	0.8
<b>Solubility(ies)</b>	Negligible
<b>Auto-ignition temperature</b>	440.6 °F (227 °C)
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	1.05 cSt (40°C), 1.28 cSt @ 25°C

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## 10. Stability and reactivity

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<b>Reactivity</b>	May react with incompatible materials.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.

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## 11. Toxicological information

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<b>Routes of exposure</b>	Inhalation. Ingestion. Skin contact. Eye contact.
<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	May be fatal if swallowed and enters airways.
<b>Inhalation</b>	May cause damage to organs by inhalation.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
<b>Information on toxicological effects</b>	

<b>Acute toxicity</b>	May be fatal if swallowed and enters airways.	
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	3440 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	10200 mg/m <sup>3</sup> , 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	6000 mg/kg, ECHA
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 5.3 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA
Ethylbenzene (CAS 100-41-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	17.8 ml/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	17629 mg/m <sup>3</sup> , 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	3500 mg/kg, ECHA
Naphthalene (CAS 91-20-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 16000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 0.4 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Mouse	710 mg/kg, ECHA 533 mg/kg, ECHA
Nonane (CAS 111-84-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	3200 ppm, 4 Hours, HSDB 23.8 mg/L, 8 Hours, ECHA 17 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA
Stoddard solvent (CAS 8052-41-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 3000 mg/kg, ECHA
<i>Inhalation</i>		
LC50	Rat	> 5500 mg/m <sup>3</sup> > 5.5 mg/l/4h, ECHA
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA

Components	Species	Test Results
Xylene (CAS 1330-20-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	12126 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	29000 mg/m <sup>3</sup> , 4 Hours, ECHA 6700 ppm, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	3523 mg/kg, ECHA
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Exposure minutes</b>	Not available.	
<b>Erythema value</b>	Not available.	
<b>Oedema value</b>	Not available.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Corneal opacity value</b>	Not available.	
<b>Iris lesion value</b>	Not available.	
<b>Conjunctival reddening value</b>	Not available.	
<b>Conjunctival oedema value</b>	Not available.	
<b>Recover days</b>	Not available.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not available.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	See below.	
<b>ACGIH Carcinogens</b>		
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.
<b>California Proposition 65 - CRT: Listed date/Carcinogenic substance</b>		
Ethylbenzene (CAS 100-41-4)		
Naphthalene (CAS 91-20-3)		
<b>Canada - Manitoba OELs: carcinogenicity</b>		
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.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Ethylbenzene (CAS 100-41-4)		Volume 77 - 2B Possibly carcinogenic to humans.
Naphthalene (CAS 91-20-3)		Volume 82 - 2B Possibly carcinogenic to humans.
Stoddard solvent (CAS 8052-41-3)		Volume 47 - 3 Not classifiable as to carcinogenicity to humans.
Xylene (CAS 1330-20-7)		Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>		
Not listed.		
<b>US NTP Report on Carcinogens: Anticipated carcinogen</b>		
Naphthalene (CAS 91-20-3)		Reasonably Anticipated to be a Human Carcinogen.
<b>US NTP Report on Carcinogens: Known carcinogen</b>		
Naphthalene (CAS 91-20-3)		Known To Be Human Carcinogen.
<b>Reproductive toxicity</b>	Suspected of damaging fertility or the unborn child.	
<b>Teratogenicity</b>	Not available.	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure.	
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.	

**Chronic effects**

Prolonged inhalation may be harmful.

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**12. Ecological information**

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**Ecotoxicity** See below**Ecotoxicological data**

Components		Species	Test Results
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)			
Crustacea	EC50	Daphnia	6.14 mg/L, 48 Hours
<b>Aquatic</b>			
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	7.19 - 8.28 mg/L, 96 hours
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)			
<b>Aquatic</b>			
Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	2.9 mg/L, 96 hours
Ethylbenzene (CAS 100-41-4)			
Algae	IC50	Algae	4.6 mg/L, 72 Hours
Crustacea	EC50	Daphnia	2.1 mg/L, 48 Hours
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	1.37 - 4.4 mg/L, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	7.5 - 11 mg/L, 96 hours
Naphthalene (CAS 91-20-3)			
Algae	IC50	Algae	0.4 mg/L, 72 Hours
Crustacea	EC50	Daphnia	2.16 mg/L, 48 Hours
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	1.09 - 3.4 mg/L, 48 hours
Fish	LC50	Pink salmon ( <i>Oncorhynchus gorbuscha</i> )	1.11 - 1.68 mg/L, 96 hours
Xylene (CAS 1330-20-7)			
<b>Aquatic</b>			
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	7.711 - 9.591 mg/L, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.		
<b>Bioaccumulative potential</b>	No data available.		
<b>Mobility in soil</b>	No data available.		
<b>Mobility in general</b>	Not available.		
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

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**13. Disposal considerations**

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<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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**14. Transport information**

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**Transport of Dangerous Goods (TDG) Proof of Classification** Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

**U.S. Department of Transportation (DOT)****Basic shipping requirements:**

<b>UN number</b>	UN1223
<b>Proper shipping name</b>	Kerosene
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>Special provisions</b>	144, B1, IB3, T2, TP2

Packaging exceptions 150  
Packaging non bulk 203  
Packaging bulk 242

**Transportation of Dangerous Goods (TDG - Canada)**

**Basic shipping requirements:**

UN number UN1223  
Proper shipping name KEROSENE  
Hazard class 3  
Packing group III

**DOT**



**TDG**



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## 15. Regulatory information

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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (SOR/2015-17) and the SDS contains all the information required by the HPR.

**Canada CEPA Schedule I: Listed substance**

Naphthalene (CAS 91-20-3) Listed.

**Canada DSL Challenge Substances: Listed substance**

Naphthalene (CAS 91-20-3) Listed.

**Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number**

Benzene, 1,2,4-trimethyl- (CAS 95-63-6) 1 TONNES

Distillates (petroleum), light hydrotreated (CAS 64742-47-8) 1 TONNES

Nonane (CAS 111-84-2) 1 TONNES

Stoddard solvent (CAS 8052-41-3) 1 TONNES

Xylene (CAS 1330-20-7) 1 TONNES

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

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**WHMIS 2015 Exemptions** Not applicable

**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)**

Nonane (CAS 111-84-2) 1.0 % One-Time Export Notification only.

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

Ethylbenzene (CAS 100-41-4) Listed.

Naphthalene (CAS 91-20-3) Listed.

Nonane (CAS 111-84-2) Listed.

Xylene (CAS 1330-20-7) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance** No

**Classified hazard categories** Flammable (gases, aerosols, liquids, or solids)  
 Skin corrosion or irritation  
 Serious eye damage or eye irritation  
 Carcinogenicity  
 Reproductive toxicity  
 Specific target organ toxicity (single or repeated exposure)  
 Aspiration hazard

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Benzene, 1,2,4-trimethyl-	95-63-6	1-5*
Ethylbenzene	100-41-4	0.1-1*
Naphthalene	91-20-3	0.1-1*

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

Ethylbenzene (CAS 100-41-4)  
 Naphthalene (CAS 91-20-3)  
 Xylene (CAS 1330-20-7)

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

Not regulated.

**US state regulations****US - California Hazardous Substances (Director's): Listed substance**

Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Listed.  
 Ethylbenzene (CAS 100-41-4) Listed.  
 Naphthalene (CAS 91-20-3) Listed.  
 Nonane (CAS 111-84-2) Listed.  
 Stoddard solvent (CAS 8052-41-3) Listed.  
 Xylene (CAS 1330-20-7) Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Ethylbenzene (CAS 100-41-4)  
 Naphthalene (CAS 91-20-3)  
 Nonane (CAS 111-84-2)  
 Xylene (CAS 1330-20-7)

**US - Louisiana Spill Reporting: Listed substance**

Ethylbenzene (CAS 100-41-4) Listed.  
 Naphthalene (CAS 91-20-3) Listed.  
 Nonane (CAS 111-84-2) Listed.  
 Xylene (CAS 1330-20-7) Listed.

**US - Michigan Critical Materials Register: Parameter number**

Xylene (CAS 1330-20-7)

**US - Minnesota Haz Subs: Listed substance**

Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Listed.  
 Ethylbenzene (CAS 100-41-4) Listed.  
 Naphthalene (CAS 91-20-3) Listed.  
 Stoddard solvent (CAS 8052-41-3) Listed.  
 Xylene (CAS 1330-20-7) Listed.

**US - North Carolina Toxic Air Pollutants: Listed substance**

Xylene (CAS 1330-20-7)

**US - Texas Effects Screening Levels: Listed substance**

Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Listed.  
 Distillates (petroleum), light hydrotreated (CAS 64742-47-8) Listed.  
 Ethylbenzene (CAS 100-41-4) Listed.  
 Naphthalene (CAS 91-20-3) Listed.  
 Nonane (CAS 111-84-2) Listed.  
 Stoddard solvent (CAS 8052-41-3) Listed.  
 Xylene (CAS 1330-20-7) Listed.

**US - Washington Chemical of High Concern to Children: Listed substance**

Ethylbenzene (CAS 100-41-4)

**US. Massachusetts RTK - Substance List**

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)

Distillates (petroleum), light hydrotreated (CAS 64742-47-8)  
 Ethylbenzene (CAS 100-41-4)  
 Naphthalene (CAS 91-20-3)  
 Nonane (CAS 111-84-2)  
 Stoddard solvent (CAS 8052-41-3)  
 Xylene (CAS 1330-20-7)

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

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)  
 Distillates (petroleum), light hydrotreated (CAS 64742-47-8)  
 Ethylbenzene (CAS 100-41-4)  
 Naphthalene (CAS 91-20-3)  
 Nonane (CAS 111-84-2)  
 Stoddard solvent (CAS 8052-41-3)  
 Xylene (CAS 1330-20-7)

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

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)  
 Distillates (petroleum), light hydrotreated (CAS 64742-47-8)  
 Ethylbenzene (CAS 100-41-4)  
 Naphthalene (CAS 91-20-3)  
 Nonane (CAS 111-84-2)  
 Stoddard solvent (CAS 8052-41-3)  
 Xylene (CAS 1330-20-7)

**US. Rhode Island RTK**

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)  
 Distillates (petroleum), light hydrotreated (CAS 64742-47-8)  
 Ethylbenzene (CAS 100-41-4)  
 Naphthalene (CAS 91-20-3)  
 Nonane (CAS 111-84-2)  
 Stoddard solvent (CAS 8052-41-3)  
 Xylene (CAS 1330-20-7)

**US. California Proposition 65**



**WARNING:** This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Ethylbenzene (CAS 100-41-4)	Listed: June 11, 2004
Naphthalene (CAS 91-20-3)	Listed: April 19, 2002

**Inventory status**

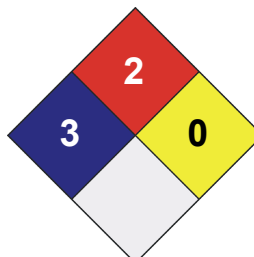
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

**16. Other information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>HEALTH</b>	* 3
<b>FLAMMABILITY</b>	2
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	X



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**Further information**  
**Other information**

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Not available.

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.