


1. Identification

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

2. Hazard identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		
Signal word	Danger	
Hazard statement	Flammable liquid and vapor. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Suspected of causing cancer.	
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 explosion-proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves, protective clothing, eye protection and face protection. Use only outdoors or in a well-ventilated area. Do not breathe mist or vapor.	
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. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF exposed or concerned: Get medical attention.	
Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.	
Disposal	Dispose of container in accordance with local, regional, national and international regulations.	
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known	
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known	

Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	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*
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	80-100*

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

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

4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
Skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Diarrhea. Behavioral changes. Direct contact with eyes may cause temporary irritation. Decrease in motor functions.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). 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. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Alcohol resistant foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	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.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable liquid and vapor.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	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.
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Methods and materials for containment and cleaning up

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. The product is immiscible with water and will spread on the water surface.

Large Spills: 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. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

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. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. When using, do not eat, drink or smoke. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. 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). Keep out of reach of children.

8. Exposure controls/Personal protection

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

Components	Type	Value
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	123 mg/m ³
		25 ppm
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m ³
		125 ppm
	TWA	434 mg/m ³ 100 ppm
Naphthalene (CAS 91-20-3)	STEL	79 mg/m ³ 15 ppm
	TWA	52 mg/m ³ 10 ppm
Nonane (CAS 111-84-2)	TWA	1050 mg/m ³ 200 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	572 mg/m ³
		100 ppm

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

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)	STEL	580 mg/m ³
	TWA	290 mg/m ³

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

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

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

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

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

Components	Type	Value
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

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

Components	Type	Value
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	15 minute	30 ppm
	8 hour	25 ppm
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

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

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

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

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
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
		435 mg/m3
Naphthalene (CAS 91-20-3)	TWA	100 ppm
		75 mg/m3
		15 ppm
Nonane (CAS 111-84-2)	TWA	50 mg/m3
		10 ppm
		1050 mg/m3
Stoddard solvent (CAS 8052-41-3)	Ceiling	200 ppm
		1800 mg/m3
	TWA	350 mg/m3

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*

* - 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.

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) 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

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	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.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Impervious gloves. Confirm with reputable supplier first.
Other	Wear suitable protective clothing. Use of an impervious apron is recommended. As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
Thermal hazards	Not applicable.
General hygiene considerations	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. When using do not eat or drink.

9. Physical and chemical properties

Appearance	Clear
Physical state	Liquid.
Form	Liquid
Color	Colorless
Odor	Pungent, Petroleum
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	318.2 - 392 °F (159 - 200 °C) ASTM D86
Pour point	-59.8 °F (-51 °C) (ASTM D5950)
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	104.0 °F (40.0 °C) Pensky-Martens Closed Cup
Evaporation rate	0.1 (BuAc = 1)
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	> 0.8
Flammability limit - upper (%)	< 6
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	0.2 kPa (1.5 mm Hg) @ 20°C
Vapor density	4.8 @ 101 kPa
Relative density	Not available.
Solubility(ies)	Negligible
Auto-ignition temperature	500 °F (260 °C)
Decomposition temperature	Not available.
Viscosity	1.1 cSt @ 40°C
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Partition coefficient (oil/water)	> 4 (Estimated)

10. Stability and reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological information

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. May cause stomach distress, nausea or vomiting.
Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.

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. Diarrhea. Behavioral changes. Decrease in motor functions.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects.

Components	Species	Test Results
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)		
Acute		
<i>Dermal</i>		
LD50	Rat	3440 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	10200 mg/m3, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	6000 mg/kg, ECHA
Ethylbenzene (CAS 100-41-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	17.8 ml/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	17629 mg/m3, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	3500 mg/kg, ECHA
Naphthalene (CAS 91-20-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2 g/kg, HSDB
	Rat	> 16000 mg/kg, 24 Hours, ECHA
		> 2500 mg/kg, ECHA
<i>Inhalation</i>		
LC50	Rat	> 78 ppm, 4 Hours, ECHA
		> 0.4 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Guinea pig	1200 mg/kg, HSDB
	Mouse	710 mg/kg, ECHA
		533 mg/kg, ECHA

Components	Species	Test Results
	Rat	490 mg/kg, HSDB
Nonane (CAS 111-84-2)		
Acute		
<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)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 3000 mg/kg, ECHA
<i>Inhalation</i>		
LC50	Rat	> 5500 mg/m ³ > 5.5 mg/l/4h, ECHA
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
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. See below.	
ACGIH Carcinogens		
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.	
California Proposition 65 - CRT: Listed date/Carcinogenic substance		
Ethylbenzene (CAS 100-41-4)		
Naphthalene (CAS 91-20-3)		
Canada - Manitoba OELs: carcinogenicity		
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.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
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.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)		
Not listed.		

US NTP Report on Carcinogens: Anticipated carcinogen

Naphthalene (CAS 91-20-3)

Reasonably Anticipated to be a Human Carcinogen.

US NTP Report on Carcinogens: Known carcinogen

Naphthalene (CAS 91-20-3)

Known To Be Human Carcinogen.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Teratogenicity	Not available.
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

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
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	7.19 - 8.28 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
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/L, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	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
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.09 - 3.4 mg/L, 48 hours
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha)	1.11 - 1.68 mg/L, 96 hours
Persistence and degradability	No data is available on the degradability of this product.		
Bioaccumulative potential	No data available.		
Mobility in soil	No data available.		
Mobility in general	Not 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 instructions	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	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. 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).
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

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.
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U.S. Department of Transportation (DOT)

Basic shipping requirements:

UN number UN1268
Proper shipping name Petroleum distillates, n.o.s.
Hazard class 3
Packing group III
Packaging exceptions 150

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN1268
Proper shipping name PETROLEUM DISTILLATES, N.O.S.
Hazard class 3
Packing group III

DOT



TDG



15. Regulatory information

Canadian federal 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.

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
Nonane (CAS 111-84-2) 1 TONNES
Stoddard solvent (CAS 8052-41-3) 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.

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**SARA 311/312 Hazardous chemical** Yes**Classified hazard categories** Flammable (gases, aerosols, liquids, or solids)
Carcinogenicity
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)

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

Not regulated.

US state regulations See below**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.**US - Illinois Chemical Safety Act: Listed substance**Ethylbenzene (CAS 100-41-4)
Naphthalene (CAS 91-20-3)
Nonane (CAS 111-84-2)**US - Louisiana Spill Reporting: Listed substance**Ethylbenzene (CAS 100-41-4) Listed.
Naphthalene (CAS 91-20-3) Listed.
Nonane (CAS 111-84-2) Listed.**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.**US - Texas Effects Screening Levels: 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.**US - Washington Chemical of High Concern to Children: Listed substance**

Ethylbenzene (CAS 100-41-4)

US. Massachusetts RTK - Substance ListBenzene, 1,2,4-trimethyl- (CAS 95-63-6)
Ethylbenzene (CAS 100-41-4)
Naphthalene (CAS 91-20-3)
Nonane (CAS 111-84-2)
Stoddard solvent (CAS 8052-41-3)**US. New Jersey Worker and Community Right-to-Know Act**Benzene, 1,2,4-trimethyl- (CAS 95-63-6)
Ethylbenzene (CAS 100-41-4)
Naphthalene (CAS 91-20-3)
Nonane (CAS 111-84-2)
Stoddard solvent (CAS 8052-41-3)**US. Pennsylvania Worker and Community Right-to-Know Law**

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

Ethylbenzene (CAS 100-41-4)
 Naphthalene (CAS 91-20-3)
 Nonane (CAS 111-84-2)
 Stoddard solvent (CAS 8052-41-3)

US. Rhode Island RTK

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

US. California Proposition 65



WARNING: This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer. For more information go to 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

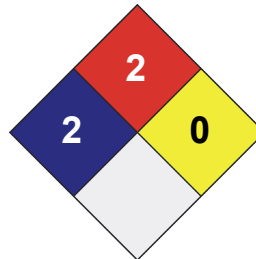
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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

HEALTH	* 2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

The information in the safety data sheet was written by Dell Tech Laboratories Ltd. (www.delltech.com) based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Prepared by	Dell Tech Laboratories Ltd. Phone: (519) 858-5021
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Other information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.