



SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	Form Oil
Other means of identification	Not available
Recommended use	Release agent
Recommended restrictions	None known.
Manufacturer information	Irving Blending & Packaging PO Box 1169 Saint John, NB E2L 4E6 CA Phone: 1.800.574.5823 Emergency Phone: 1.506.648.3060
Supplier	See above.

2. Hazards Identification

Physical hazards	Flammable liquids	Category 4
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
	Carcinogenicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 1
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		



Signal word Danger

Hazard statement Combustible liquid.
May be fatal if swallowed and enters airways.
May cause drowsiness or dizziness.
Causes skin irritation.
Causes eye irritation.
Suspected of causing cancer.
Causes damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Use only outdoors or in a well-ventilated area. Avoid breathing mist or vapor.
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
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 SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician 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 ON SKIN: Wash with plenty of water. Specific treatment (see information on this label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
IF exposed or concerned: Get medical advice/attention.

Storage Store in a well-ventilated place.
Store locked up.
Keep container tightly closed.

Disposal	Dispose of contents/container in accordance with local/regional/national/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	%
Stoddard solvent		8052-41-3	60
Distillates (petroleum), light hydrotreated		64742-47-8	25
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy		64742-70-7	25
Benzene, 1,2,4-trimethyl-		95-63-6	2.5
Nonane		111-84-2	2.5
Naphthalene		91-20-3	0.5
Xylene		1330-20-7	0.5
Benzene, ethyl-		100-41-4	0.3

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

4. First Aid Measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.
Eye contact	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.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention.

5. Fire Fighting Measures

Suitable extinguishing media	Foam. Dry chemical powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. 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. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Combustible liquid.
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 out of low areas. 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. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop the flow of material, if this is without risk. Large Spills: 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. Use water spray to reduce vapors or divert vapor cloud drift. Following product recovery, flush area with water. Small Spills: 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.

7. Handling and Storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Do not breathe mist or vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use personal protective equipment as required. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS).

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/m ³	
		25 ppm	
Benzene, ethyl- (CAS 100-41-4)	STEL	543 mg/m ³	
		125 ppm	
	TWA	434 mg/m ³ 100 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m ³	Vapor.
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	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m ³	Mist.
Stoddard solvent (CAS 8052-41-3)	TWA	5 mg/m ³	Mist.
	TWA	572 mg/m ³ 100 ppm	
Xylene (CAS 1330-20-7)	STEL	651 mg/m ³ 150 ppm	
	TWA	434 mg/m ³	

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

Components	Type	Value	Form
		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	
Benzene, ethyl- (CAS 100-41-4)	TWA	20 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	200 mg/m3	Non-aerosol.
Naphthalene (CAS 91-20-3)	STEL	15 ppm	
	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)

Components	Type	Value	Form
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm	
Benzene, ethyl- (CAS 100-41-4)	TWA	20 ppm	
Naphthalene (CAS 91-20-3)	TWA	10 ppm	
Nonane (CAS 111-84-2)	TWA	200 ppm	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	TWA	5 mg/m3	Inhalable fraction.
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)

Components	Type	Value	Form
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm	
Benzene, ethyl- (CAS 100-41-4)	STEL	125 ppm	
	TWA	100 ppm	
Naphthalene (CAS 91-20-3)	STEL	15 ppm	
	TWA	10 ppm	
Nonane (CAS 111-84-2)	TWA	200 ppm	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
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 the Quality of the Work Environment)

Components	Type	Value	Form
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	123 mg/m3	
		25 ppm	
Benzene, ethyl- (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	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
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	
		100 ppm	

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

Components	Type	Value	Form
Benzene, ethyl- (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3	
		10 ppm	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	PEL	5 mg/m3	Mist.
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	Form
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	25 ppm	
Benzene, ethyl- (CAS 100- 41-4)	TWA	20 ppm	
Naphthalene (CAS 91-20-3)	TWA	10 ppm	
Nonane (CAS 111-84-2)	TWA	200 ppm	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	TWA	5 mg/m3	Inhalable fraction.
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	Form
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	TWA	125 mg/m3	
		25 ppm	
Benzene, ethyl- (CAS 100-41-4)	STEL	545 mg/m3	
		125 ppm	
	TWA	435 mg/m3	
		100 ppm	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	TWA	100 mg/m3	
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	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Stoddard solvent (CAS 8052-41-3)	Ceiling	1800 mg/m3	
	TWA	350 mg/m3	

Biological limit values

ACGIH Biological Exposure Indices		Determinant	Specimen	Sampling Time
Components	Value			
Benzene, ethyl- (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

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) Can be absorbed through the skin.

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) Can be absorbed through the skin.

Appropriate engineering controls

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

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.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Wear positive pressure self-contained breathing apparatus (SCBA).
Thermal hazards	Not applicable.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties

Appearance	Liquid
Physical state	Liquid.
Form	Liquid.
Color	Amber
Odor	Mild petroleum
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	390.2 °F (199 °C)
Pour point	Not available.
Specific gravity	0.82 @ 15°C
Partition coefficient (n-octanol/water)	Not available.
Flash point	158.0 °F (70.0 °C) Cleveland Open Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Negligible
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	2.6 cSt @ 40°C

10. Stability and Reactivity

Reactivity	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.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological Information

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

Information on likely routes of exposure

Ingestion May be fatal if swallowed and enters airways.

Inhalation May be fatal if swallowed and enters airways. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation may be harmful. May cause damage to organs by inhalation.

Skin contact Causes skin irritation.

Eye contact Causes eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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	Rabbit	> 3160 mg/kg
<i>Inhalation</i>		
LC50	Rat	3670 ppm, 4 hours 3661 ppm 18 mg/l/4h
<i>Oral</i>		
LD50	Rat	3280 mg/kg
Benzene, ethyl- (CAS 100-41-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	15380 mg/kg
<i>Inhalation</i>		
LC50	Rat	4000 ppm, 4 Hours
<i>Oral</i>		
LD50	Rat	5460 mg/kg 3500 mg/kg
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 2.8 mg/l/4h
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
Naphthalene (CAS 91-20-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 0.4 mg/l/4h
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
Nonane (CAS 111-84-2)		
Acute		
<i>Inhalation</i>		
LC50	Rat	3200 ppm, 4 Hours

Components	Species	Test Results
<i>Oral</i> LD50	Rat	>= 15000 mg/kg
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)		
Acute		
<i>Inhalation</i> LC50	Not available	
<i>Oral</i> LD50	Not available	
Stoddard solvent (CAS 8052-41-3)		
Acute		
<i>Dermal</i> LD50	Rabbit	> 3000 mg/kg
<i>Inhalation</i> LC50	Rat	> 5500 mg/m3
<i>Oral</i> LD50	Rat	> 5000 mg/kg
Xylene (CAS 1330-20-7)		
Acute		
<i>Dermal</i> LD50	Rabbit	>= 1700 mg/kg
<i>Inhalation</i> LC50	Mouse	3907 ppm, 6 Hours
	Rat	6350 ppm, 4 Hours 29.1 mg/L, 4 Hours 27.6 mg/L, 4 Hours 21.7 mg/L, 4 Hours
<i>Oral</i> LD50	Mouse	5251 mL/kg 1590 mg/kg
	Rat	3523 - 8600 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Causes eye 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 available.	
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. Contains < 3% (w/w) DMSO-extract	
ACGIH Carcinogens		
Benzene, ethyl- (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.	

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7) A2 Suspected human carcinogen.

Xylene (CAS 1330-20-7)

A4 Not classifiable as a human carcinogen.
A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

ETHYL BENZENE (CAS 100-41-4)

Confirmed animal carcinogen with unknown relevance to humans.

MINERAL OIL, EXCLUDING METAL WORKING FLUIDS,

Suspected human carcinogen.

POORLY AND MILDLY REFINED (CAS 64742-70-7)

MINERAL OIL, EXCLUDING METAL WORKING FLUIDS,

Not classifiable as a human carcinogen.

PURE, HIGHLY AND SEVERELY REFINED,

INHALABLE FRACTION (CAS 64742-70-7)

NAPHTHALENE (CAS 91-20-3)

Confirmed animal carcinogen with unknown relevance to humans.

XYLENE (O, M AND P ISOMERS) (CAS 1330-20-7)

Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzene, ethyl- (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.

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

Benzene, ethyl- (CAS 100-41-4)

Naphthalene (CAS 91-20-3)

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

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)

Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity

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

Teratogenicity

Not available.

Specific target organ toxicity - single exposure

Narcotic effects.

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

Chronic effects

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Causes damage to organs through prolonged or repeated exposure.

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

Benzene, ethyl- (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

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

Aquatic

Fish

LC50

Rainbow trout, donaldson trout
(Oncorhynchus mykiss)

2.9 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

Components	Species	Test Results
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
Xylene (CAS 1330-20-7)		
Aquatic		
Fish	LC50	Bluegill (Lepomis macrochirus) 7.711 - 9.591 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. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.
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	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.

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification	In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.
General	Marine Pollutants Exemption. 1.45.1. : Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, do not apply to substances that are classified as marine pollutants in accordance with section 2.43 of Part 2, Classification, if they are in transport solely on land by road vehicle or railway vehicle. However, substances may be identified as marine pollutants on a shipping document and the required dangerous goods safety marks may be displayed when they are in transport by road or railway vehicle. (SOR/2008-34, s. 23) CFR 171.4: The requirements of this subchapter specific to marine pollutants does not apply to non-bulk packagings transported by motor vehicle, rail car or aircraft, except when all or part of the transportation is by vessel.
U.S. Department of Transportation (DOT)	
Basic shipping requirements:	
UN number	NA1993
Proper shipping name	Combustible liquid, n.o.s.
Technical name	Distillates (petroleum), light hydrotreated
Hazard class	Combustible Liquid
Packing group	III
Special provisions	IB3, T1, T4, TP1
Transportation of Dangerous Goods (TDG - Canada)	
Not regulated as dangerous goods.	

DOT



15. Regulatory Information

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)

Benzene, ethyl- (CAS 100-41-4) Listed.

Naphthalene (CAS 91-20-3) Listed.

Nonane (CAS 111-84-2) Listed.

Xylene (CAS 1330-20-7) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Benzene, 1,2,4-trimethyl-	95-63-6	2.5
Naphthalene	91-20-3	0.5
Benzene, ethyl-	100-41-4	0.3

Other federal regulations

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

Benzene, ethyl- (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.

Benzene, ethyl- (CAS 100-41-4) Listed.

Naphthalene (CAS 91-20-3) Listed.

Nonane (CAS 111-84-2) Listed.

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7) Listed.

Stoddard solvent (CAS 8052-41-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.
US - Illinois Chemical Safety Act: Listed substance	
Benzene, ethyl- (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	
Benzene, ethyl- (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)	XYLENE (ALL ISOMERS)
US - Minnesota Haz Subs: Listed substance	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.
US - New Jersey RTK - Substances: Listed substance	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	
Benzene, ethyl- (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 - 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.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Nonane (CAS 111-84-2)	Listed.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.
US - Washington Chemical of High Concern to Children: Listed substance	
Benzene, ethyl- (CAS 100-41-4)	
US. Massachusetts RTK - Substance List	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	
Benzene, ethyl- (CAS 100-41-4)	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	
Naphthalene (CAS 91-20-3)	
Nonane (CAS 111-84-2)	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	
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)	
Benzene, ethyl- (CAS 100-41-4)	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	
Naphthalene (CAS 91-20-3)	
Xylene (CAS 1330-20-7)	
US. Pennsylvania Worker and Community Right-to-Know Law	
Benzene, 1,2,4-trimethyl- (CAS 95-63-6)	
Benzene, ethyl- (CAS 100-41-4)	
Distillates (petroleum), light hydrotreated (CAS 64742-47-8)	
Naphthalene (CAS 91-20-3)	
Nonane (CAS 111-84-2)	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	
Stoddard solvent (CAS 8052-41-3)	
Xylene (CAS 1330-20-7)	

US. Rhode Island RTK

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)
 Benzene, ethyl- (CAS 100-41-4)
 Naphthalene (CAS 91-20-3)
 Xylene (CAS 1330-20-7)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

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

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

Inventory status

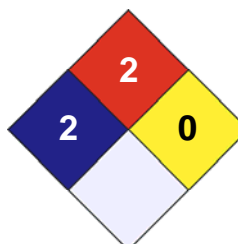
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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 sheet was written 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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01

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Prepared by

Dell Tech Laboratories Ltd. Phone: (519) 858-5021

Other information

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