



# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>Product identifier</b>	<b>D&amp;E 22</b>
<b>Other means of identification</b>	Not available
<b>Recommended use</b>	Not available.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer information</b>	Irving Blending & Packaging PO Box 1169 Saint John, NB E2L 4E6 CA Phone: 1.800.574.5823 Emergency Phone: 1.800.424.9300 (CHEMTREC) Emergency Phone: 1.506.648.3060
<b>Supplier</b>	See above.

## 2. Hazards Identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>WHMIS 2015 defined hazards</b>	Not classified
<b>Label elements</b>	
<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.
<b>Precautionary statement</b>	
<b>Prevention</b>	Observe good industrial hygiene practices.
<b>Response</b>	Wash hands after handling.
<b>Storage</b>	Store away from incompatible materials.
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.
<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

<b>Mixture</b>			
<b>Chemical name</b>	<b>Common name and synonyms</b>	<b>CAS number</b>	<b>%</b>
2,6-Di-tert-butylphenol		128-39-2	0.1-1*
Distillates (petroleum), hydrotreated light paraffinic		64742-55-8	0.1-1*
N-phenyl-1-naphthalenamine		90-30-2	0.1-1*
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy		64742-70-7	80-100*

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

<b>Composition comments</b>	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.
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#### 4. First Aid Measures

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<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Eye contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat patient symptomatically.
<b>General information</b>	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. Avoid contact with eyes and skin. Keep out of reach of children.

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#### 5. Fire Fighting Measures

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<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<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.
<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.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.

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#### 6. Accidental Release Measures

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<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	<p>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. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p>
<b>Environmental precautions</b>	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

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#### 7. Handling and Storage

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<b>Precautions for safe handling</b>	Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

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#### 8. Exposure Controls/Personal Protection

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##### Occupational exposure limits

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

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	STEL	10 mg/m <sup>3</sup>	Mist.

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

Components	Type	Value	Form
	TWA	5 mg/m3	Mist.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

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

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	TWA	5 mg/m3	Inhalable fraction.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	TWA	5 mg/m3	Inhalable fraction.

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

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

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

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	PEL	5 mg/m3	Mist.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	PEL	5 mg/m3	Mist.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	TWA	5 mg/m3	Inhalable fraction.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	TWA	5 mg/m3	Inhalable fraction.

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

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines****Canada - Alberta OELs: Skin designation**

Aniline (CAS 62-53-3)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

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

Aniline (CAS 62-53-3)

Can be absorbed through the skin.

Naphthalene (CAS 91-20-3)

Can be absorbed through the skin.

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

Aniline (CAS 62-53-3)

Can be absorbed through the skin.

Naphthalene (CAS 91-20-3)

Can be absorbed through the skin.

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

**Canada - Ontario OELs: Skin designation**

Aniline (CAS 62-53-3)

Can be absorbed through the skin.

Naphthalene (CAS 91-20-3)

Can be absorbed through the skin.

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

**Canada - Quebec OELs: Skin designation**

Aniline (CAS 62-53-3)

Can be absorbed through the skin.

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Skin designation**

Aniline (CAS 62-53-3)

Can be absorbed through the skin.

Naphthalene (CAS 91-20-3)

Can be absorbed through the skin.

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

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

Aniline (CAS 62-53-3)

Can be absorbed through the skin.

Naphthalene (CAS 91-20-3)

Can be absorbed through the skin.

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

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

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

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

Aniline (CAS 62-53-3)

Can be absorbed through the skin.

Ethyl acrylate (CAS 140-88-5)

Can be absorbed through the skin.

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

**Appropriate engineering controls**

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

**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. 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**

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.

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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>	Not available.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Pour point</b>	-43.6 °F (-42 °C)

<b>Specific gravity</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Flash point</b>	375.8 °F (191.0 °C) Pensky-Martens Closed Cup
<b>Evaporation rate</b>	Not available.
<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>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	0.8646 @ 15°C
<b>Solubility(ies)</b>	Negligible
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	4.4 cSt @ 100°C 23.1 cSt @ 40°C
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	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. Eye, Skin contact, Inhalation, Ingestion.
<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Direct contact with eyes may cause temporary irritation.
<b>Information on toxicological effects</b>	

### Acute toxicity

Components	Species	Test Results
2,6-Di-tert-butylphenol (CAS 128-39-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 10000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	2995 mg/kg

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	Rat	> 5000 mg/kg
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, 24 Hours, ECHA > 2000 mg/kg, ECHA > 2000 mg/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	< 5.7 mg/L, 4 Hours, ECHA > 5.5 mg/L, 4 Hours, ECHA > 5.3 mg/L, 4 Hours, ECHA > 5.2 mg/L, 4 Hours, ECHA > 4 mg/L, 4 Hours, ECHA > 3.9 mg/L, 4 Hours, ECHA 2.2 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA > 2000 mg/kg, ECHA 5000 mg/kg, ECHA
N-phenyl-1-naphthalenamine (CAS 90-30-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, 24 Hours
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	1231 mg/kg, ECHA
	Rat	2380 mg/kg, ECHA 1625 mg/kg, ECHA
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, 24 Hours, ECHA > 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	< 5.7 mg/L, 4 Hours, ECHA > 5.5 mg/L, 4 Hours, ECHA > 5.3 mg/L, 4 Hours, ECHA > 5.2 mg/L, 4 Hours, ECHA > 4 mg/L, 4 Hours, ECHA > 3.9 mg/L, 4 Hours, ECHA 2.2 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA > 2000 mg/kg, ECHA 5000 mg/kg, ECHA
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary 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>	Direct contact with eyes may cause temporary 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>Canada - Alberta OELs: Irritant</b>	
1-Propanol, 2-methyl- (CAS 78-83-1)	Irritant
<b>Canada - British Columbia OELs: Respiratory or skin sensitiser</b>	
Ethyl acrylate (CAS 140-88-5)	Capable of causing respiratory, dermal or conjunctival sensitization.
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	Not applicable.
<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. Contains < 3% (w/w) DMSO-extract
<b>ACGIH Carcinogens</b>	
Aniline (CAS 62-53-3)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	A2 Suspected human carcinogen.
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.
<b>Canada - Manitoba OELs: carcinogenicity</b>	
ANILINE (CAS 62-53-3)	Confirmed animal carcinogen with unknown relevance to humans.
MINERAL OIL, EXCLUDING METAL WORKING FLUIDS, POORLY AND MILDLY REFINED (CAS 64742-55-8)	Suspected human carcinogen.
MINERAL OIL, EXCLUDING METAL WORKING FLUIDS, POORLY AND MILDLY REFINED (CAS 64742-70-7)	Suspected human carcinogen.
NAPHTHALENE (CAS 91-20-3)	Confirmed animal carcinogen with unknown relevance to humans.
<b>Canada - Quebec OELs: Carcinogen category</b>	
Ethyl acrylate (CAS 140-88-5)	Detected carcinogenic effect in animals.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
Aniline (CAS 62-53-3)	Volume 27, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.
Ethyl acrylate (CAS 140-88-5)	Volume 39, Supplement 7, Volume 71 - 2B Possibly carcinogenic to humans.
Naphthalene (CAS 91-20-3)	Volume 82 - 2B Possibly carcinogenic to humans.
Phenol (CAS 108-95-2)	Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
Toluene (CAS 108-88-3)	Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
<b>US - California Proposition 65 - CRT: Listed date/Carcinogenic substance</b>	
1-naphthylamine (CAS 134-32-7)	
2-naphthylamine (CAS 91-59-8)	
Aniline (CAS 62-53-3)	
Ethyl acrylate (CAS 140-88-5)	
Naphthalene (CAS 91-20-3)	
<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>	
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	Known To Be Human Carcinogen.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	Known To Be Human Carcinogen.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
Not listed.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.

<b>Teratogenicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	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
2,6-Di-tert-butylphenol (CAS 128-39-2)		
Crustacea	EC50 Daphnia	0.45 mg/L, 48 Hours
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)		
Crustacea	EC50 Daphnia	1000 mg/L, 48 Hours

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**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.

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## 13. Disposal Considerations

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**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**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.

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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)**

Not regulated as dangerous goods.

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

Not regulated as dangerous goods.

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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 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**

Ethyl acrylate (CAS 140-88-5) Listed.

Naphthalene (CAS 91-20-3) Listed.

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

Aniline (CAS 62-53-3) 1 TONNES

Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) 1 TONNES

Toluene (CAS 108-88-3) 1 TONNES

**Canada Priority Substances List (Second List): Listed substance**

Phenol (CAS 108-95-2) Listed.



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

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Toluene (CAS 108-88-3) Class B

**WHMIS 2015 Exemptions** Not applicable

**US federal regulations**

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

Not regulated.

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

1-Propanol, 2-methyl- (CAS 78-83-1)	Listed.
Aniline (CAS 62-53-3)	Listed.
Ethyl acrylate (CAS 140-88-5)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Phenol (CAS 108-95-2)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity**

Aniline (CAS 62-53-3)	5000 LBS
Phenol (CAS 108-95-2)	1000 LBS

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

Not listed.

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

<b>Hazard categories</b>	Immediate Hazard - No
	Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
Not regulated.

**Other federal regulations**

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

Aniline (CAS 62-53-3)
Ethyl acrylate (CAS 140-88-5)
Naphthalene (CAS 91-20-3)
Phenol (CAS 108-95-2)
Toluene (CAS 108-88-3)

**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**

1-Propanol, 2-methyl- (CAS 78-83-1)	Listed.
Aniline (CAS 62-53-3)	Listed.
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	Listed.
Ethyl acrylate (CAS 140-88-5)	Listed.
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	Listed.
Phenol (CAS 108-95-2)	Listed.
Toluene (CAS 108-88-3)	Listed.

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

1-Propanol, 2-methyl- (CAS 78-83-1)
Aniline (CAS 62-53-3)
Ethyl acrylate (CAS 140-88-5)
Naphthalene (CAS 91-20-3)
Phenol (CAS 108-95-2)
Toluene (CAS 108-88-3)

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

1-Propanol, 2-methyl- (CAS 78-83-1) Listed.  
Aniline (CAS 62-53-3) Listed.  
Ethyl acrylate (CAS 140-88-5) Listed.  
Naphthalene (CAS 91-20-3) Listed.  
Phenol (CAS 108-95-2) Listed.  
Toluene (CAS 108-88-3) Listed.

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

Toluene (CAS 108-88-3)

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

1-Propanol, 2-methyl- (CAS 78-83-1) Listed.  
Aniline (CAS 62-53-3) Listed.  
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) Listed.  
Ethyl acrylate (CAS 140-88-5) Listed.  
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) Listed.  
Naphthalene (CAS 91-20-3) Listed.  
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7) Listed.  
Phenol (CAS 108-95-2) Listed.  
Toluene (CAS 108-88-3) Listed.

**US - New Jersey RTK - Substances: Listed substance**

1-Propanol, 2-methyl- (CAS 78-83-1)  
Aniline (CAS 62-53-3)  
Ethyl acrylate (CAS 140-88-5)  
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)  
Naphthalene (CAS 91-20-3)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

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

Aniline (CAS 62-53-3)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

Ethyl acrylate (CAS 140-88-5)

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

1-Propanol, 2-methyl- (CAS 78-83-1) Listed.  
2,6-Di-tert-butylphenol (CAS 128-39-2) Listed.  
Aniline (CAS 62-53-3) Listed.  
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) Listed.  
Ethyl acrylate (CAS 140-88-5) Listed.  
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9) Listed.  
Naphthalene (CAS 91-20-3) Listed.  
N-phenyl-1-naphthalenamine (CAS 90-30-2) Listed.  
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7) Listed.  
Phenol (CAS 108-95-2) Listed.  
Toluene (CAS 108-88-3) Listed.

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

Aniline (CAS 62-53-3)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US. Massachusetts RTK - Substance List**

1-Propanol, 2-methyl- (CAS 78-83-1)  
Aniline (CAS 62-53-3)  
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)  
Ethyl acrylate (CAS 140-88-5)  
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)  
Naphthalene (CAS 91-20-3)  
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

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

Aniline (CAS 62-53-3)  
Ethyl acrylate (CAS 140-88-5)

Naphthalene (CAS 91-20-3)  
 Phenol (CAS 108-95-2)  
 Toluene (CAS 108-88-3)

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

1-Propanol, 2-methyl- (CAS 78-83-1)  
 Aniline (CAS 62-53-3)  
 Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)  
 Ethyl acrylate (CAS 140-88-5)  
 Naphthalene (CAS 91-20-3)  
 Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)  
 Phenol (CAS 108-95-2)  
 Toluene (CAS 108-88-3)

**US. Rhode Island RTK**

1-Propanol, 2-methyl- (CAS 78-83-1)  
 Aniline (CAS 62-53-3)  
 Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)  
 Ethyl acrylate (CAS 140-88-5)  
 Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)  
 Naphthalene (CAS 91-20-3)  
 Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)  
 Phenol (CAS 108-95-2)  
 Toluene (CAS 108-88-3)

**US. California Proposition 65**



**WARNING:** This product can expose you to chemicals including ethyl acrylate, which is known to the State of California to cause cancer, and toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

1-naphthylamine (CAS 134-32-7)	Listed: October 1, 1989
2-naphthylamine (CAS 91-59-8)	Listed: February 27, 1987
Aniline (CAS 62-53-3)	Listed: January 1, 1990
Ethyl acrylate (CAS 140-88-5)	Listed: July 1, 1989
Naphthalene (CAS 91-20-3)	Listed: April 19, 2002

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

Toluene (CAS 108-88-3)	Listed: January 1, 1991
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**Inventory status**

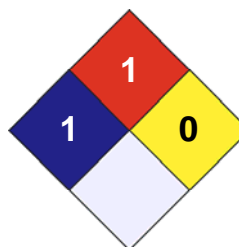
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*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	/ 1
FLAMMABILITY	1
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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**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.