

# SAFETY DATA SHEET

# 1. Product and Company Identification

	1. Froduct and Company lot		
Product identifier	Ultra Low Sulphur Diesel		
Other means of identification	Arctic Diesel Ultra Low Sulfur Heating Oil		
Synonyms	Not available.		
Recommended use	Fuel		
Recommended restrictions	None known.		
Manufacturer information	Irving Oil Refining G.P. Box 1260 Saint John, NB E2L 4H6 CA Phone: (506) 202-2000 Refinery: (506) 202-3000 Emergency Phone: 1-800-424-9300 (CHE	MTREC)	
Supplier	See above.		
	2. Hazards Identificat	tion	
Physical hazards	Flammable liquids	Category 3	
Health hazards	Acute toxicity, inhalation	Category 4	
	Skin corrosion/irritation	Category 2	
	Specific target organ toxicity, repeated exposure	Category 2	
	Aspiration hazard	Category 1	
Environmental hazards	Not classified.		
WHMIS 2015 defined hazards	Not classified		
Signal word	Danger		
Hazard statement	Flammable liquid and vapor. Causes skin irritation. May be fatal if swallowed and enters airwa Harmful if inhaled. May cause damage to organs through pro		
<b>Precautionary statement</b>			
Prevention	closed. Ground/bond container and receivi	se only non-sparking tools. Take precautionary	
Response	water/shower. If skin irritation occurs: Get information on this label). IF SWALLOWED: Immediately call a POI vomiting.	xtinguish. y all contaminated clothing. Rinse skin with medical advice/attention. Specific treatment (see SON CENTER or doctor/physician. Do NOT induce and keep comfortable for breathing. Call a POISON	
Storage	Store in a well-ventilated place. Keep cool. Store locked up.		
Disposal	Dispose of contents/container in accordan	ce 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	Not applicable.

# 3. Composition/Information on Ingredients

## Mixture

Chemical name	Common name and synonyms	CAS number	%	
Petroleum distillates		68476-34-6	90-100	
Benzene		71-43-2	<0.1	
Benzo[a]pyrene		50-32-8	<0.1	
Naphthalene		91-20-3	<0.1	
Toluene		108-88-3	<0.1	

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

### **Composition comments**

\*Ultra Low Sulphur Diesel is a complex mixture of hydrocarbons. Its exact composition depends on the source of the crude oil from which it was produced and the refining methods used. Ultra Low Sulphur Diesel contains hundreds of individual organic chemicals. This section identifies only some of the well-known chemical constituents.

\*Sulphur: < 15 ppm

\*Hydrogen sulphide: Nil

4. First Aid Measures		
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.	
Skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If si irritation occurs: Get medical advice/attention. Specific treatment (see information on this label).	
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medica attention if irritation persists.	
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.	
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.	
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.	
General information	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. Take off all contaminated clothing immediately. Wash contaminated clothing before reuse. Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Wear rubber gloves and safety glasses with side shields. Keep out of reach of children.	
	5. Fire Fighting Measures	
Suitable extinguishing media	Carbon dioxide. Dry chemical. Foam.	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical	Container may explode in heat of fire. Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back.	
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self-contained breathing apparatus.	
Fire-fighting equipment/instructions	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				
	6. Accidental Release Measures			
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapor. 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.			
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so 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. Never return spills to original containers for re-use. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Prevent entry into waterways, sewers, basements or confined areas.			
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.			
	7. Handling and Storage			
Precautions for safe handling	Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Do not breathe mist or vapor. Use only outdoors or in a well-ventilated area.			
	Avoid prolonged exposure. Observe good industrial hygiene practices. Wash thoroughly after handling. When handling, do not eat, drink or smoke.			
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). 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	Туре	Value	
Benzene (CAS 71-43-2)	STEL	8 mg/m3 2.5 ppm	
	TWA	1.6 mg/m3 0.5 ppm	
Naphthalene (CAS 91-20-3)	STEL	79 mg/m3 15 ppm	
	TWA	52 mg/m3 10 ppm	
Petroleum distillates (CAS 68476-34-6)	TWA	100 mg/m3	
Toluene (CAS 108-88-3)	TWA	188 mg/m3 50 ppm	

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

Components	Туре	Value Form
Benzene (CAS 71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
Naphthalene (CAS 91-20-3)	STEL	15 ppm
	TWA	10 ppm

Safety Regulation 296/97, as amen Components	Туре	Value	Form
Petroleum distillates (CAS 68476-34-6)	TWA	100 mg/m3	Vapor and aerosol.
Toluene (CAS 108-88-3)	TWA	20 ppm	
Canada. Manitoba OELs (Reg. 217/	2006, The Workplace Safety A	nd Health Act)	
Components	Туре	Value	Form
Benzene (CAS 71-43-2)	STEL	2.5 ppm	
	TWA	0.5 ppm	
Naphthalene (CAS 91-20-3)	TWA	10 ppm	
Petroleum distillates (CAS 68476-34-6)	TWA	100 mg/m3	Inhalable fraction and vapor.
Toluene (CAS 108-88-3)	TWA	20 ppm	
Canada. Ontario OELs. (Control of			Form
Components	Туре	Value	FOIIII
Benzene (CAS 71-43-2)	STEL	2.5 ppm	
	TWA	0.5 ppm	
Naphthalene (CAS 91-20-3)	STEL	15 ppm	
	TWA	10 ppm	
Petroleum distillates (CAS 68476-34-6)	TWA	100 mg/m3	Inhalable fraction and vapor.
Toluene (CAS 108-88-3)	TWA	20 ppm	
Canada. Quebec OELs. (Ministry o Components	f Labor - Regulation Respectir Type	ng the Quality of the Work Env Value	vironment)
Benzene (CAS 71-43-2)	STEL	15.5 mg/m3 5 ppm	
	TWA	3 mg/m3 1 ppm	
Benzo[a]pyrene (CAS 50-32-8)	TWA	0.005 mg/m3	
Naphthalene (CAS 91-20-3)	STEL	79 mg/m3 15 ppm	
	TWA	52 mg/m3 10 ppm	
Toluene (CAS 108-88-3)	TWA	188 mg/m3 50 ppm	
US. OSHA Specifically Regulated S	-	-1050)	
Components	Туре	Value	
Benzene (CAS 71-43-2)	STEL	5 ppm	
	TWA	1 ppm	
US. OSHA Table Z-1 Limits for Air	-	000) Value	
Components	Туре		
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3 10 ppm	
US. OSHA Table Z-2 (29 CFR 1910.	1000)	10 khin	
Components	Туре	Value	
Benzene (CAS 71-43-2)	Ceiling	25 ppm	
. ,	TWA	10 ppm	
Toluene (CAS 108-88-3)	Ceiling	300 ppm	
	TWA	200 ppm	
		ph	
US. ACGIH Threshold Limit Values Components	Туре	Value	Form
Benzene (CAS 71-43-2)	STEL	2.5 ppm	
· ····· (-··· <b>··························</b>	TWA		

Components	Туре	Value	Form
Naphthalene (CAS 91-20-3)	TWA	10 ppm	
Petroleum distillates (CAS 68476-34-6)	TWA	100 mg/m3	Inhalable fraction and vapor.
Toluene (CAS 108-88-3)	TWA	20 ppm	
US. NIOSH: Pocket Guide to Chem	ical Hazards		
Components	Туре	Value	
Benzene (CAS 71-43-2)	STEL	1 ppm	
	TWA	0.1 ppm	
Naphthalene (CAS 91-20-3)	STEL	75 mg/m3	
		15 ppm	
	TWA	50 mg/m3	
		10 ppm	
Toluene (CAS 108-88-3)	STEL	560 mg/m3	
		150 ppm	
	TWA	375 mg/m3	
		100 ppm	

## Biological limit values

# ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Benzene (CAS 71-43-2)	25 µg/g	S-Phenylmerca pturic acid	Creatinine in urine	*
Benzo[a]pyrene (CAS 50-32-8)	2.5 μg/l	1-Hydroxypyre ne, with hydrolysis (1-HP)	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/L	Toluene	Urine	*
	0.02 mg/L	Toluene	Blood	*

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

# Exposure guidelines

Canada - Alberta OELs: Skin designation	
Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.
Canada - British Columbia OELs: Skin designation	
Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Petroleum distillates (CAS 68476-34-6)	Can be absorbed through the skin.
Canada - Manitoba OELs: Skin designation	
Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Petroleum distillates (CAS 68476-34-6)	Can be absorbed through the skin.
Canada - Ontario OELs: Skin designation	
Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Petroleum distillates (CAS 68476-34-6)	Can be absorbed through the skin.
Canada - Quebec OELs: Skin designation	
Toluene (CAS 108-88-3)	Can be absorbed through the skin.
Canada - Saskatchewan OELs: Skin designation	
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Petroleum distillates (CAS 68476-34-6)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.
US ACGIH Threshold Limit Values: Skin designation	
Benzene (CAS 71-43-2)	Can be absorbed through the skin.
Naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
Petroleum distillates (CAS 68476-34-6)	Can be absorbed through the skin.

Appropriate engineering controls	Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.		
Individual protection measures	s, such as personal protective equipment		
Eye/face protection	Face shield or chemical goggles.		
Skin protection			
Hand protection	Nitrile rubber Viton™. PVC gloves. Tychem™ BR/LV. Tychem™ TK.		
Other	Use of protective coveralls and long sleeves is recommended. If clothing or footwear becomes contaminated with the product, remove it and completely decontaminate it before re-use, or discard it.		
Respiratory protection	For confined spaces, wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. 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	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.		

# 9. Physical and Chemical Properties

Appearance	Clear
Physical state	Liquid.
Form	Liquid
Color	Water white
Odor	Kerosene
Odor threshold	Not available.
рН	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	300 - 700 °F (148.89 - 371.11 °C)
Pour point	-60 - 10 °F (-51.1112.22 °C)
Specific gravity	0.8 - 0.86 @ 15°C
Partition coefficient (n-octanol/water)	3.3 - 7.06 (log Kow)
Flash point	120.0 - 160.0 °F (48.9 - 71.1 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	losive limits
Flammability limit - lower (%)	0.6-1.3
Flammability limit - upper (%)	6-7.5
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	2.12 - 26.4 mmHg @ 21°C
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	494.6 °F (257 °C)
Decomposition temperature	Not available.
Viscosity	1.3 - 4.1 cSt @104°F
	10. Stability and Reactivity

Reactivity	May react with incompatible materials.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Heat, open flames, static discharge, sparks and other ignition sources.

May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Aromatic hydrocarbons.

	11. Toxicological Info	ormation
Routes of exposure	Eye, Skin contact, Skin absorption, Inh	
Information on likely routes of		
Ingestion	May be fatal if swallowed and enters ai	rways.
Inhalation	Harmful if inhaled. Prolonged inhalation may be harmful. May cause damage to organs by inhalation.	
Skin contact	Causes skin irritation.	
Eye contact	Direct contact with eyes may cause temporary irritation.	
Symptoms related to the ohysical, chemical and oxicological characteristics	Skin irritation. May cause redness and	pain.
nformation on toxicological ef	fects	
Acute toxicity	Harmful if inhaled. May be fatal if swalle	owed and enters airways.
Components	Species	Test Results
Benzene (CAS 71-43-2)		
Acute		
Dermal		0000 // 1/000
LD50	Guinea pig	> 8260 mg/kg, HSDB
	Guinea pig; Rabbit	> 9.4 ml/kg, 24 Hours, ECHA
Inhalation	Mouroe	
LC50	Mouse	9980 ppm, 7 Hours, ECHA
	Rat	43767 mg/m3, 4 Hours, ECHA
		13700 ppm, 4 Hours, ECHA
		10000 ppm, 7 Hours, HSDB
		31.8 mg/l/4h, HSDB
Oral		
LD50	Mouse	4700 mg/kg, HSDB
	Rat	> 2000 mg/kg, ECHA
		5970 mg/kg, ECHA
		4700 mg/kg, HSDB
		3306 mg/kg, HSDB
Benzo[a]pyrene (CAS 50-32-8)		
Acute		
Dermal	Rabbit	2000 mg/kg
LD50		> 2000 mg/kg
	Rat	> 2000 mg/kg
Inhalation LC50	Not available	
Oral		
Urai LD50	Mouse	433 mg/kg
2200	Not available	
	Rat	725 mg/kg
Naphthalene (CAS 91-20-3)	i vai	120 HIY/NY
Acute		
Dermal		
LD50	Rabbit	> 2 g/kg
	Rat	> 16000 mg/kg, 24 Hours, ECHA
		> 2500 mg/kg, ECHA
Inhalation		· · · · · · · · · · · · · · · · ·
LC50	Rat	> 78 ppm, 4 Hours, ECHA

Ora/       30 mg/L, 4 Hours, ECHA         28.1 mg/L, 4 Hours, ECHA       28.1 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         LD50       Rat       > 5000 mg/kg, ECHA         58kn corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Prythema value       Not available.         Orad       Not available.         Orad       Direct contact with eyes may cause temporary irritation.         Serious eye damage/eye rritation       Not available.         Corneal opacity value       Not available.         Iris lesion value       Not available.	Components	Species	Test Results
LD50 Guinea pig 4200 mg/kg Mouse 710 mg/kg. ECHA 533 mg/kg 490 mg/kg 2.6 g/kg. HSDB troleum distillatas (CAS 69476-34-6 Actue Dermal LD50 Rabbit - 2000 mg/kg 5 ml/kg, 24 Hours 1050 Rat 1.5 mg/l4h 4600 mg/m3, 4 Hours 5 ml/kg, 24 Hours 1.5 mg/l4h 4600 mg/m3, 4 Hours 400 mg/m3, 4 Hours 1.5 mg/l4h 4600 mg/m3, 4 Hours, 4 Hours 1.5 mg/l4h 1.5 mg/l4h 4.6 mg/l4h 1.5 mg/l4h 1.5 mg/l4h 4.6 mg/l4h 1.5 mg/l4h 4.6			> 0.4 mg/L, 4 Hours, ECHA
Mouse         710 mg/kg, ECHA           S33 mg/kg         Rat           400 mg/kg         2.6 g/kg, HSDB           itrolevm distillates (CAS 68476-34-6)         2.6 g/kg, HSDB           Acute         2.000 mg/kg           Dormal         2.1000 mg/kg           LDS0         Rabbit         2.000 mg/kg           Inhalation         2.5 ml/kg, 24 Hours           LCS0         Rat         1.5 mg/l/4h           4600 mg/mg, 4 Hours         4.1 mg/L, 4 Hours           Oral         2.5 ml/kg, 24 Hours           LDS0         Rat         5.000 mg/kg           Dermal         2.5 ml/kg, 24 Hours, ECHA           LDS0         Rat         5.000 mg/kg, 24 Hours, ECHA           LDS0         Rat         5.000 mg/kg, 24 Hours, ECHA           LDS0         Rat         2.6000 mg/kg, 24 Hours, ECHA           LDS0         Mouse         6405 -7.346 pm, 6 Hours, ECHA           LDS0         Rat         2.6700 pm, 1 Hours, HSDB           LDS0         Mouse         6320 ppm, 2 Hours, HSDB		Guipos pig	1200 mg/kg
Rat         533 mg/kg           490 mg/kg         260 mg/kg           Acute         26 g/kg, HSDB           Demai         > 2000 mg/kg           LD50         Rabbit         > 2000 mg/kg           LD50         Rabbit         > 2000 mg/kg           LD50         Rat         1.05 mg/kg           Inhalation         4.00 mg/mg, 24 Hours         4.00 mg/kg           LD50         Rat         4.00 mg/kg           Oral         2.5 mg/kg         4.1 mg/k, 4 Hours           D50         Rat         5.000 mg/kg           JD50         Rat         5.000 mg/kg, 24 Hours, ECH           LD50         Rabbit         > 5.000 mg/kg, 42 Hours, ECH           LD50         Rabbit         > 5.000 mg/kg, 42 Hours, ECH           LD50         Rabbit         > 5.000 mg/kg, 42 Hours, ECH           LD50         Mouse         6405 - 7436 ppm, 6 Hours, ECH           LD50         Mouse         6200 ppm, 1 Hours, HSDB           Inhalation         1.4 1 ml/kg, HSDB           LD50         Mouse         5300 mg/kg, 41 Hours, HSDB           LD50         Rat         25700 ppm, 1 Hours, HSDB           LD50         Rat         25700 ppm, 1 Hours, HSDB           LD50	LDOU		
Rat     490 mg/kg       L6 g/kg, HSDB       itroleum distillates (CAS 68476-34-6)       Acute       Dermal       LD50     Rabbit       Defmal     > 2000 mg/kg       LD50     Rabbit       Name     > 5 ml/kg, 24 Hours       Inhelation     - 5 mg/kh       LC50     Rat     1 - 5 mg/kh       Mathematics     - 1 mg/L, 4 Hours       Oral     - 5 mg/kg, 24 Hours       LD50     Rat     - 5 mg/kg, 24 Hours       Intel CAS 106-98-3)     - 1 mg/L, 4 Hours       Acute     - 5 mg/kg, 4 Hours, 14 Hours       Dermal     - 5 5000 mg/kg, 24 Hours, ECH       LD50     Ratb     - 5 5000 mg/kg, 24 Hours, ECH       12124 mg/kg, HSDB     14.1 ml/kg, HSDB       Inhelation     - 5200 ppm, 1 Hours, HSDB       LD50     Mouse     6405 - 7436 ppm, 6 Hours, ECH       LC50     Mouse     6405 - 7436 ppm, 6 Hours, ECH       LD50     Mouse     6405 - 7436 ppm, 6 Hours, ECH       LC50     Mouse     6405 - 7436 ppm, 6 Hours, ECH       LD50     Mouse     6405 - 7436 ppm, 6 Hours, ECH       LD50     Rat     2570 ppm, 1 Hours, HSDB       1200 ppm, 2 Hours, ECHA     2500 ppm, 2 Hours, ECHA       LD50     Rat     25000 ppm, 1 Hours, ECHA		Mouse	
troleur distilates (CAS 68476:34-6) troleur distilates (CAS 68476:34-6) Acute Dormal LD50 Rabbit 2000 mg/kg 2 1000 mg/kg 2 5 ml/kg, 24 Hours 2 1000 mg/kg 2 5 ml/kg 2 1000 mg/kg 2 5 ml/kg 2 1000 mg/kg 2 100		Pot	
Acute Dermal LD50 Rabbit > 2000 mg/kg > 1800 mg/kg > 1800 mg/kg > 5 ml/kg. 24 Hours Inhalation LC50 Rat 1 - 5 mg/V4h 4600 mg/m3, 4 Hours 4.1 mg/L, 4 Hours 0 ml LD50 Rat 5000 mg/kg 9 ml/kg shuene (CAS 108-88-3) Acute Dormal LD50 Rat 5000 mg/kg, 24 Hours, ECH 12124 mg/kg, HSDB 14.1 ml/kg, HSDB 1200 ppm, 2 Hours, HSDB 1200 ppm, 4 Hours, ECHA 5879 - 6281 ppm, 6 Hours, EC 30 mg/L, 4 Hours, ECHA 25.7 mg/L, 4 Hours, ECHA 25.7 mg/L, 4 Hours, ECHA 26.8 mg/kg, EC		Rai	
Acute       Dermai         DED50       Rabbit       > 2000 mg/kg         LD50       Rabbit       > 5 m/kg, 24 Hours         Inhalation       1 - 5 mg/4h       4600 mg/m3, 4 Hours         LD50       Rat       1 - 5 mg/4h         4600 mg/m3, 4 Hours       4.1 mg/L, 4 Hours         0ral       2000 mg/kg       9 ml/kg         LD50       Rat       > 5000 mg/kg         Mathematic       > 5000 mg/kg, 24 Hours, ECH       12124 mg/kg, HSDB         LD50       Rabbit       > 5000 mg/kg, 24 Hours, ECH         Dormal       21220 pm, 8 Hours, ECH       12124 mg/kg, HSDB         LD50       Mouse       6405 - 7436 ppm, 6 Hours, ECH         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH         LC50       Mouse       5200 ppm, 1 Hours, HSDB         Inhalation       1220 ppm, 2 Hours, HSDB         LC50       Mouse       5200 ppm, 1 Hours, HSDB         S000 ppm, 1 Hours, HSDB       5000 ppm, 1 Hours, HSDB         S000 ppm, 1 Hours, HSDB       5000 pp/kg, ECHA         LD50       Rat       26 700 ppm, 1 Hours, ECHA         S000 pp/kg, ECHA       26 g/kg, HSDB         LD50       Rat       5000 mg/kg, ECHA         LD50       Rat	stralaum distillatos (CAS 68476	24.6)	2.0 g/kg, HSDB
Dermal       > 2000 mg/kg         LD50       Rabbit       > 1800 mg/kg         1800 mg/kg       5 ml/kg, 24 Hours         Inhalation       1 - 5 mg/l/4h         LC50       Rat       4600 mg/m3, 4 Hours         Oral       410 mg/L, 4 Hours         D50       Rat       > 5000 mg/kg         Oral       9 ml/kg       9 ml/kg         JD50       Rat       > 5000 mg/kg, 24 Hours, ECH/         Dermal       2124 mg/kg, HSDB       14.1 ml/kg, HSDB         LD50       Rabbit       > 5000 mg/kg, 24 Hours, ECH/         Dermal       2124 mg/kg, HSDB       14.1 ml/kg, HSDB         LD50       Rabbit       > 5000 pm, 8 Hours, ECH/         LD50       Rabbit       > 5000 ppm, 9 Hours, HSDB         Inhalation       2124 mg/kg, HSDB       14.1 ml/kg, HSDB         LC50       Mouse       6405 -r438 ppm, 6 Hours, ECH/         LC50       Mouse       6405 -r438 ppm, 6 Hours, HSDB         Inhalation       2200 ppm, 2 Hours, HSDB         LC50       Mouse       6405 -r438 ppm, 6 Hours, ECH/         LD50       Rat       26700 ppm, 1 Hours, HSDB         1200 ppm, 24 Hours, ECHA       260 mg/kg, ECHA         25.7 mg/L, 4 Hours, ECHA       26 mg/kg, ECHA		-34-6)	
Inhalation LC50 Rat Inhalation LC50 Rat Oral LD50 Rat Oral LD50 Rat Oral LD50 Rat S000 mg/kg 24 Hours 9 ml/kg studene (CAS 108-88-3) Acute Demal LD50 Rat S000 mg/kg, 24 Hours, ECH 12124 mg/kg, HSDB 14.1 ml/kg, HSDB Inhalation LC50 Mouse 6405 - 7436 ppm, 6 Hours, ECH 12124 mg/kg, HSDB 14.1 ml/kg, HSDB Inhalation LC50 Mouse 6405 - 7436 ppm, 6 Hours, ECH 220 ppm, 24 Hours, HSDB 8 Rat 2670 ppm, 1 Hours, HSDB 8 Rat 2670 ppm, 1 Hours, HSDB 8000 ppm, 24 Hours, HSDB 1200 ppm, 24 Hours, HSDB 1200 ppm, 24 Hours, HSDB 8000 ppm, 4 Hours, HSDB 8000 ppm, 4 Hours, HSDB 5879 • 6281 ppm, 6 Hours, ECH 2579 • 6281 ppm, 6 Hours, ECH 260 mg/L, 4 Hours, HSDB 8000 ppm, 1 Hours, HSDB 5879 • 6281 ppm, 6 Hours, ECH 26 of m corrosion/irritation Carl LD50 Rat 26 of m corrosion/irritation Causes skin irritation. Exposure minutes Not available. Oral Correal opacity value Not available. Ord wavailable. Ord wavailable. Vot available.			
Inhalation       1 - 5 mg/l/4h         LC50       Rat       1 - 5 mg/l/4h         LC50       Rat       4600 mg/m3, 4 Hours         Oral       LD50       Rat       > 5000 mg/kg         Durner       (CAS 108-88-3)       > ml/kg       > ml/kg         Acute       Dermail       > 5000 mg/kg, 24 Hours, ECH       12124 mg/kg, HSDB         LD50       Rabbit       > 5000 mg/kg, 24 Hours, ECH       12124 mg/kg, HSDB         Inhalation       LD50       Mouse       6405 - 7436 ppm, 6 Hours, ECH/HS         LD50       Mouse       6405 - 7436 ppm, 6 Hours, ECH/HS         LD50       Mouse       6405 - 7436 ppm, 6 Hours, ECH/HS         LD50       Mouse       6405 - 7436 ppm, 6 Hours, ECH/HS         LD50       Mouse       6405 - 7436 ppm, 6 Hours, ECH/HS         LD50       Mouse       6405 - 7436 ppm, 6 Hours, ECH/HS         Rat       26700 ppm, 1 Hours, HSDB       3000 ppm, 4 Hours, HSDB         S77 - 6281 ppm, 6 Hours, ECHA       28.1 mg/L, 4 Hours, ECHA         LD50       Rat       26.7 mg/L, 4 Hours, ECHA         Z5.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         LD50       Rat       5800 mg/kg, ECHA         LD50       Rat       5000 mg/kg, ECHA		Rabbit	> 2000 mg/kg
Inhalation       LC50       Rat       1 - 5 mg/l/4h         LC50       Rat       1 - 5 mg/l/4h         4500 mg/m3, 4 Hours       41 mg/L, 4 Hours         Oral       LD50       Rat       > 5000 mg/kg         Dermal       > 5000 mg/kg, 24 Hours, ECH       12124 mg/kg, HSDB         Inhalation       LD50       Rabbit       > 5000 mg/kg, 24 Hours, ECH         LD50       Rat       2600 ppm, 8 Hours, ECH         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH         S200 ppm, 2 Hours, HSDB       8000 ppm, 2 Hours, HSDB         8000 ppm, 4 Hours, ECHA       28.1 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       26.7 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       26.7 mg/L, 4 Hours, ECHA         26.7 mg/L, 4 Hours, ECHA       26.7 mg/L, 4 Hou			> 1800 mg/kg
Inhalation LC50 Rat 1-5 mg/l/4h 4600 mg/m3, 4 Hours 4.1 mg/L, 4 Hours 0ral LD50 Rat 5000 mg/m3, 4 Hours 4.1 mg/L, 4 Hours 0ral LD50 Rat 5000 mg/kg 9 ml/kg 9 m			
LC50 Rat 1-5 mg/l/4h 4600 mg/m3, 4 Hours 4.1 mg/l, 4 Hours 0ral LD50 Rat 5000 mg/kg 9 ml/kg 9 ml/kg 9 ml/kg 1000 mg/kg, 24 Hours, ECH4 12124 mg/kg, HSDB 14.1 ml/kg, HSDB 1200 ppm, 2 Hours, HSDB 1200 ppm, 2 Hours, HSDB 1200 ppm, 4 Hours, ECHA 1200 ppm, 4 Hours, ECHA 1200 ppm, 4 Hours, ECHA 1200 ppm, 4 Hours, ECHA 1200 ppm, 4 Hours, ECHA 25.7 mg/L, 4 Hours	Inhalation		U.
Oral       LD50       Rat       > 5000 mg/kg         Dutene (CAS 106-88-3)       9 ml/kg         Acute       9 ml/kg         Dermal       12124 mg/kg, HSDB         LD50       Rabbit       > 5000 mg/kg, 24 Hours, ECH         12124 mg/kg, HSDB       14.1 ml/kg, HSDB         Inhalation       12124 mg/kg, HSDB         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH         S20 ppm, 8 Hours, ECHA/HS       400 ppm, 24 Hours, HSDB         Inhalation       12200 ppm, 2 Hours, HSDB         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH         S320 ppm, 8 Hours, ECHA/HS       400 ppm, 24 Hours, HSDB         12200 ppm, 2 Hours, HSDB       12200 ppm, 2 Hours, HSDB         8000 ppm, 4 Hours, HSDB       12200 ppm, 1 Hours, HSDB         1200 ppm, 2 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         26 g/kg, HSDB       25.000 mg/kg, ECHA         5580 mg/kg, ECHA       2.6 g/kg, HSDB         ch corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Erythema value       Not available.         Ordem value       Not available.         Ordem value       Not available. </td <td></td> <td>Rat</td> <td>1 - 5 mg/l/4h</td>		Rat	1 - 5 mg/l/4h
Oral LD50       Rat       > 5000 mg/kg         permal       9 ml/kg         LD50       Rabbit       > 5000 mg/kg, 24 Hours, ECH4         Dermal       12124 mg/kg, HSDB         LD50       Rabbit       > 5000 mg/kg, 24 Hours, ECH4         12124 mg/kg, HSDB       14.1 ml/kg, HSDB         Inhalation       6405 - 7436 ppm, 6 Hours, ECH4         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH4         S20 ppm, 8 Hours, ECH4/HS       400 ppm, 24 Hours, HSDB         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH4         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH4/HS         Autors, HSDB       400 ppm, 24 Hours, HSDB         12200 ppm, 2 Hours, HSDB       12200 ppm, 2 Hours, HSDB         8000 ppm, 4 Hours, ECHA       257 mg/L, 4 Hours, ECHA         25879 - 6281 ppm, 6 Hours, ECH       257 mg/L, 4 Hours, ECHA         2517 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         2517 mg/L, 4 Hours, ECHA       2580 mg/kg, ECHA         2580 mg/kg, ECHA       2.6 g/kg, HSDB         cin corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Erythema value       Not available.         Ordem value       Not available.			4600 mg/m3, 4 Hours
Oral LD50       Rat       > 5000 mg/kg         9 mi/kg       9 mi/kg         Permal       -         LD50       Rabbit       > 5000 mg/kg, 24 Hours, ECHJ         12124 mg/kg, HSDB       14.1 mi/kg, HSDB         12124 mg/kg, HSDB       14.1 mi/kg, HSDB         Inhalation       6405 - 7436 ppm, 6 Hours, ECHJ         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECHJ         S20 ppm, 8 Hours, ECHJ/HS       400 ppm, 24 Hours, HSDB         Inhalation       26700 ppm, 1 Hours, HSDB         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECHJ/HS         Rat       26700 ppm, 1 Hours, HSDB         12200 ppm, 2 Hours, HSDB       12200 ppm, 2 Hours, HSDB         8000 ppm, 4 Hours, ECHA       281 mg/L, 4 Hours, ECHA         26770 gpL, 4 Hours, ECHA       28.1 mg/L, 4 Hours, ECHA         257 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         257 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         26 g/kg, HSDB       5880 mg/kg, ECHA         26 g/kg, HSDB       5880 mg/kg, ECHA         26 g/kg, HSDB       5880 mg/kg, ECHA         26 g/kg, HSDB       Not available.         Oral       Cases skin irritation.         Exposure minutes       Not available.			4.1 mg/L, 4 Hours
bluene (CAS 108-88-3) Acute Dermai LD50 Rabbit > 5000 mg/kg, 24 Hours, ECH 12124 mg/kg, HSDB 14.1 ml/kg, HSDB 14.200 ppm, 2 Hours, ECH 12200 ppm, 2 Hours, HSDB 8000 ppm, 4 Hours, ECHA 28.1 mg/L, 4 Hours, ECHA 28.1 mg/L, 4 Hours, ECHA 25.7 mg/L, 4 Hours, ECHA 2	Oral		-
Acute Dermal LD50 Rabbit > 5000 mg/kg, 24 Hours, ECH 12124 mg/kg, HSDB 14.1 ml/kg, HSDB 1200 ppm, 2 Hours, HSDB 8000 ppm, 4 Hours, HSDB 8000 ppm, 4 Hours, HSDB 5879 - 6281 ppm, 6 Hours, ECH 26.0 mg/k, 4 Hours, ECHA 25.7 mg/L, 4 Hours, ECHA 25.7 mg/L, 4 Hours, ECHA 25.7 mg/L, 4 Hours, ECHA 25.6 g/kg, HSDB 26.0 mg/kg, ECHA 2.6 g/kg, HSDB 26.0 mg/kg, ECHA 26.0 mg/kg, ECHA	LD50	Rat	> 5000 mg/kg
Acute       > 5000 mg/kg, 24 Hours, ECH/         D50       Rabbit       > 5000 mg/kg, 24 Hours, ECH/         12124 mg/kg, HSDB       12124 mg/kg, HSDB         Inhalation			9 ml/kg
Demmal       > 5000 mg/kg, 24 Hours, ECH4         LD50       Rabbit       > 5000 mg/kg, 24 Hours, ECH4         12124 mg/kg, HSDB       14.1 mi/kg, HSDB         14.1 mi/kg, HSDB       14.1 mi/kg, HSDB         Inhalation       6405 - 7436 ppm, 6 Hours, ECH4/HS         LC50       Mouse       6405 - 7436 ppm, 6 Hours, ECH4/HS         8000 ppm, 24 Hours, HSDB       26700 ppm, 1 Hours, HSDB         12200 ppm, 24 Hours, HSDB       12200 ppm, 24 Hours, HSDB         8000 ppm, 4 Hours, HSDB       8000 ppm, 4 Hours, HSDB         8000 ppm, 4 Hours, ECH4       28.1 mg/L, 4 Hours, ECH4         28.1 mg/L, 4 Hours, ECH4       28.1 mg/L, 4 Hours, ECH4         28.1 mg/L, 4 Hours, ECH4       28.1 mg/L, 4 Hours, ECH4         28.1 mg/L, 4 Hours, ECH4       28.1 mg/L, 4 Hours, ECH4         28.1 mg/L, 4 Hours, ECH4       28.1 mg/L, 4 Hours, ECH4         28.1 mg/L, 4 Hours, ECH4       28.1 mg/L, 4 Hours, ECH4         28.1 mg/L, 4 Hours, ECH4       26.7 mg/L, 4 Hours, ECH4         29.0 mg/kg, ECH4       26.9 mg/kg, ECH4         20.6 g/kg, HSDB       26.9 mg/kg, ECH4	oluene (CAS 108-88-3)		
LD50 Rabbit > 5000 mg/kg, 24 Hours, ECH4 12124 mg/kg, HSDB 14.1 ml/kg, HSDB 14.1 ml/kg, HSDB 14.1 ml/kg, HSDB 14.1 ml/kg, HSDB 14.1 ml/kg, HSDB 14.0 opm, 24 Hours, ECH4/HS 400 ppm, 24 Hours, HSDB 26700 ppm, 14 Hours, ECH4/HS 400 ppm, 24 Hours, HSDB 12200 opm, 24 Hours, HSDB 12200 opm, 24 Hours, HSDB 12200 opm, 24 Hours, HSDB 6000 opm, 4 Hours, ECH4 26379 - 6281 ppm, 6 Hours, EC 30 mg/L, 4 Hours, ECH4 26.1 mg/L, 4 Hours, ECH4 25.7 mg/L, 4 Hours, ECH4 25.7 mg/L, 4 Hours, ECH4 25.7 mg/L, 4 Hours, ECH4 26.9 mg/kg, ECH4 26.9 kg, HSDB cin corrosion/irritation Causes skin irritation. Exposure minutes Not available. Frythema value Not available. Prious eye damage/eye itation Corneal opacity value Not available. Not available. Not available. Not available. Not available. Not available. Not available. Prious eye damage/eye Not available. Not available	Acute		
Inhalation       12124 mg/kg, HSDB         LC50       Mouse       6405 - 7436 ppm, 6 Hours, EC         5320 ppm, 8 Hours, ECHA/HS       400 ppm, 24 Hours, HSDB         Rat       26700 ppm, 1 Hours, HSDB         12200 ppm, 22 Hours, HSDB       12200 ppm, 22 Hours, HSDB         8000 ppm, 4 Hours, HSDB       12200 ppm, 2 Hours, HSDB         8000 ppm, 4 Hours, HSDB       8000 ppm, 4 Hours, HSDB         6405 - 7436 ppm, 6 Hours, ECHA       26700 ppm, 1 Hours, HSDB         1200 ppm, 24 Hours, HSDB       8000 ppm, 4 Hours, HSDB         6405 - 6281 ppm, 6 Hours, ECHA       28.1 mg/L, 4 Hours, ECHA         28.1 mg/L, 4 Hours, ECHA       28.1 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.80 mg/kg, ECHA         25.7 mg/L, 4 Hours, ECHA       26.9 kg, HSDB         corral       LD50       Rat         LD50       Rat       > 5000 mg/kg, ECHA         2.6 g/kg, HSDB       S880 mg/kg, ECHA         2.6 g/kg, HSDB       Not available.         Erythema value       Not available.         Ordedma value       Not available.         Prious eye damage/eye       Direct contact with eyes may cause temporary irritation.         Katon       Lotatiable.			
Inhalation       14.1 ml/kg, HSDB         LC50       Mouse       6405 - 7436 ppm, 6 Hours, EC         5320 ppm, 8 Hours, ECHA/HS       400 ppm, 24 Hours, HSDB         400 ppm, 24 Hours, HSDB       12200 ppm, 2 Hours, HSDB         12200 ppm, 2 Hours, HSDB       12200 ppm, 2 Hours, HSDB         8000 ppm, 4 Hours, HSDB       5879 - 6281 ppm, 6 Hours, ECHA         28.1 mg/L, 4 Hours, ECHA       28.1 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         26.7 dra/       Exposure minutes         Not available.       > 5000 mg/kg, ECHA         26.8 g/kg, HSDB       5580 mg/kg, ECHA         26.9 g/kg, HSDB       Not available.         erfous eye damage/eye       Not available.         itation       Causes skin irritation.         Exposure minutes       Not available.         ored       Not available.         itation       Direct contact with eyes may cause temporary irritation.         itation       Direct contact with eyes may cause temporary irritation.         itation       Direct contact with eyes may cause temporary irritation.         itation       Direct contact with eyes may cause temporary irritation.         itation       Not available.	LD50	Rabbit	
Inhalation       LC50       Mouse       6405 - 7436 ppm, 6 Hours, EC         5320 ppm, 8 Hours, ECHA/HS       400 ppm, 24 Hours, HSDB         400 ppm, 24 Hours, HSDB       12200 ppm, 2 Hours, HSDB         12200 ppm, 2 Hours, HSDB       12200 ppm, 2 Hours, HSDB         8000 ppm, 4 Hours, HSDB       5879 - 6281 ppm, 6 Hours, ECHA         267 mg/L, 4 Hours, ECHA       28.1 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       26.6 g/kg, HSDB         Kin corrosion/irritation         Causes skin irritation.         Exposure minutes       Not available.         Not available.       S580 mg/kg, ECHA         2.6 g/kg, HSDB       S580 mg/kg, ECHA         5000 mg/kg, ECHA       2.6 g/kg, HSDB         Kin corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Privema value       Not available.         Ordema value       Not available.         Ordema value       Not available.         Ordema value       Not available.         Irritation       Direct contact with eyes may cause temporary irritation.         Irritation       No			
LC50 Mouse 6405 - 7436 ppm, 6 Hours, EC 5320 ppm, 8 Hours, ECHA/HS 400 ppm, 24 Hours, HSDB 26700 ppm, 1 Hours, HSDB 26700 ppm, 1 Hours, HSDB 2000 ppm, 2 Hours, HSDB 2000 ppm, 4 Hours, HSDB 8000 ppm, 4 Hours, HSDB 8000 ppm, 4 Hours, ECHA 28 mg/L, 4 Hours, ECHA 26 mg/kg, ECHA 5580 mg/kg, ECHA 5580 mg/kg, ECHA 26 g/kg, HSDB tict corrosion/irritation Exposure minutes Autualable. Erythema value Not available. Birtous eye damage/eye micus eye eye eye micus eye eye micus eye eye eye micus eye eye eye micus eye eye micus eye eye eye eye micus eye eye e			14.1 ml/kg, HSDB
Rat       5320 ppm, 8 Hours, ECHA/HS         400 ppm, 24 Hours, HSDB       26700 ppm, 1 Hours, HSDB         12200 ppm, 2 Hours, HSDB       12200 ppm, 2 Hours, HSDB         8000 ppm, 4 Hours, HSDB       8000 ppm, 4 Hours, HSDB         5879 - 6281 ppm, 6 Hours, ECHA       26.700 ppm, 1 Hours, HSDB         0ral       25.7 mg/L, 4 Hours, ECHA         LD50       Rat       > 5000 mg/kg, ECHA         26.7 mg/kg, ECHA       26.80 mg/kg, ECHA         26.80 mg/kg, ECHA       26.80 mg/kg, ECHA         26.9 kg, HSDB       Xot available.         Erythema value       Not available.         Ocdema value       Not available.         prious eye damage/eye itation       Direct contact with eyes may cause temporary irritation.         Corneal opacity value       Not available.         Iris lesion value       Not available.			
Rat       400 ppm, 24 Hours, HSDB         Rat       26700 ppm, 1 Hours, HSDB         12200 ppm, 2 Hours, HSDB       12200 ppm, 2 Hours, HSDB         8000 ppm, 4 Hours, HSDB       8000 ppm, 4 Hours, HSDB         8000 ppm, 4 Hours, HSDB       5879 - 6281 ppm, 6 Hours, ECHA         26.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.000 mg/kg, ECHA         25.8 mg/kg, ECHA       2.6 g/kg, HSDB         corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Vot available.       Joirect contact with eyes may cause temporary irritation.         Formeal opacity value       Not available.         Iris lesion value       Not available.         Iris lesion value       Not available.	LC50	Mouse	
Rat26700 ppm, 1 Hours, HSDB 12200 ppm, 2 Hours, HSDB 8000 ppm, 4 Hours, HSDB 8000 ppm, 4 Hours, HSDB 8000 ppm, 4 Hours, HSDB 8879 - 6281 ppm, 6 Hours, ECHA 28.1 mg/L, 4 Hours, ECHA 28.1 mg/L, 4 Hours, ECHA 28.1 mg/L, 4 Hours, ECHA 25.7 mg/L, 4 Hours, ECHA 26.7 mg/L, 4 Hours, ECHA 26.8 mg/kg, ECHA 2.6 g/kg, HSDBOral LD50Rat> 5000 mg/kg, ECHA 5580 mg/kg, ECHA 2.6 g/kg, HSDBcorrosion/irritationCauses skin irritation.Exposure minutes Erythema value Oedema valueNot available. Direct contact with eyes may cause temporary irritation.Corneal opacity value Iris lesion valueNot available. Not available.Kot available. Iris lesion valueNot available. Not available.			
Oral       30 mg/L, 4 Hours, HSDB         Oral       30 mg/L, 4 Hours, ECHA         LD50       Rat         Rat       > 5000 mg/kg, ECHA         5580 mg/kg, ECHA         5580 mg/kg, ECHA         2.6 g/kg, HSDB         kin corrosion/irritation         Causes skin irritation.         Exposure minutes         Not available.         Ordema value         Not available.         Direct contact with eyes may cause temporary irritation.         itation         Corneal opacity value         Not available.         Its lesion value         Not available.         Its lesion value         Not available.			
Oral       30 mg/L, 4 Hours, HSDB         Oral       30 mg/L, 4 Hours, ECHA         LD50       Rat         Path       > 5000 mg/kg, ECHA         S580 mg/kg, ECHA       5580 mg/kg, ECHA         S580 mg/kg, ECHA       2.6 g/kg, HSDB         Corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Erythema value       Not available.         Oedema value       Not available.         prious eye damage/eye       Direct contact with eyes may cause temporary irritation.         itation       Not available.         Prious eye damage/eye       Direct contact with eyes may cause temporary irritation.         itation       Not available.         Iris lesion value       Not available.         Itis lesion value       Not available.		Rat	
Oral       30 mg/L, 4 Hours, ECHA         Dral       28.1 mg/L, 4 Hours, ECHA         LD50       Rat         Attack       > 5000 mg/kg, ECHA         5580 mg/kg, ECHA       5580 mg/kg, ECHA         26 g/kg, HSDB       26 g/kg, HSDB         cin corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Frythema value       Not available.         Oedema value       Not available.         ordication       Direct contact with eyes may cause temporary irritation.         Corneal opacity value       Not available.         Iris lesion value       Not available.			12200 ppm, 2 Hours, HSDB
Oral       30 mg/L, 4 Hours, ECHA         28.1 mg/L, 4 Hours, ECHA       28.1 mg/L, 4 Hours, ECHA         25.7 mg/L, 4 Hours, ECHA       25.7 mg/L, 4 Hours, ECHA         LD50       Rat       > 5000 mg/kg, ECHA         580 mg/kg, ECHA       2.6 g/kg, HSDB         cin corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Frythema value       Not available.         Oedema value       Not available.         prious eye damage/eye       Direct contact with eyes may cause temporary irritation.         Corneal opacity value       Not available.         Iris lesion value       Not available.			
Oral       28.1 mg/L, 4 Hours, ECHA         D50       Rat         Part       > 5000 mg/kg, ECHA         5580 mg/kg, ECHA         5580 mg/kg, ECHA         2.6 g/kg, HSDB			5879 - 6281 ppm, 6 Hours, ECHA
Oral       25.7 mg/L, 4 Hours, ECHA         LD50       Rat       > 5000 mg/kg, ECHA         5580 mg/kg, ECHA       5580 mg/kg, ECHA         500       Conversion/irritation         Causes skin irritation.       26 g/kg, HSDB         kin corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Erythema value       Not available.         Oedema value       Not available.         Oedema value       Direct contact with eyes may cause temporary irritation.         First lesion value       Not available.         Not available.       Lot available.         Vitation       Direct contact with eyes may cause temporary irritation.			30 mg/L, 4 Hours, ECHA
Oral       Rat       > 5000 mg/kg, ECHA         LD50       Rat       > 5000 mg/kg, ECHA         S580 mg/kg, ECHA       2.6 g/kg, HSDB         sin corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Frythema value       Not available.         Oedema value       Not available.         prious eye damage/eye       Direct contact with eyes may cause temporary irritation.         Corneal opacity value       Not available.         Iris lesion value       Not available.			28.1 mg/L, 4 Hours, ECHA
LD50 Rat > 5000 mg/kg, ECHA 5580 mg/kg, ECHA 2.6 g/kg, HSDB 2.6 g/			25.7 mg/L, 4 Hours, ECHA
5580 mg/kg, ECHA         2.6 g/kg, HSDB         in corrosion/irritation       Causes skin irritation.         Exposure minutes       Not available.         Frythema value       Not available.         Oedema value       Not available.         incorrosion/irritation       Direct contact with eyes may cause temporary irritation.         formeal opacity value       Not available.         Iris lesion value       Not available.			
2.6 g/kg, HSDBkin corrosion/irritationCauses skin irritation.Exposure minutesNot available.Erythema valueNot available.Oedema valueNot available.Oedema valueDirect contact with eyes may cause temporary irritation.corneal opacity valueNot available.Iris lesion valueNot available.	LD50	Rat	
kin corrosion/irritationCauses skin irritation.Exposure minutesNot available.Erythema valueNot available.Oedema valueNot available.Oedema valueDirect contact with eyes may cause temporary irritation.corneal opacity valueNot available.Iris lesion valueNot available.			
Exposure minutesNot available.Erythema valueNot available.Oedema valueNot available.Oedema valueDirect contact with eyes may cause temporary irritation.erious eye damage/eye ritationDirect contact with eyes may cause temporary irritation.Corneal opacity valueNot available.Iris lesion valueNot available.			2.6 g/kg, HSDB
Erythema valueNot available.Oedema valueNot available.Oedema valueDirect contact with eyes may cause temporary irritation.erious eye damage/eyeDirect contact with eyes may cause temporary irritation.itationNot available.Iris lesion valueNot available.	kin corrosion/irritation	Causes skin irritation.	
Oedema valueNot available.Orious eye damage/eye itationDirect contact with eyes may cause temporary irritation.Corneal opacity valueNot available.Iris lesion valueNot available.	Exposure minutes	Not available.	
erious eye damage/eye       Direct contact with eyes may cause temporary irritation.         itation       Not available.         Iris lesion value       Not available.	Erythema value	Not available.	
Corneal opacity value       Not available.         Iris lesion value       Not available.	Oedema value	Not available.	
Iris lesion value Not available.		Direct contact with eyes may cause	temporary irritation.
	Corneal opacity value	Not available.	
Conjunctival reddening Not available	Iris lesion value	Not available.	
value	Conjunctival reddening	Not available.	

Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization	ı	
Respiratory sensitization	Not available.	
Skin sensitization	This product is not expected t	o cause skin sensitization.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Contains < 3% (w/w) DMSO-e	extract
ACGIH Carcinogens		
Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50- Naphthalene (CAS 91-20	-3)	A1 Confirmed human carcinogen. A2 Suspected human carcinogen. A3 Confirmed animal carcinogen with unknown relevance to humans.
Petroleum distillates (CAS	S 68476-34-6)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Canada - Alberta OELs: Car	cinogen category	
Benzene (CAS 71-43-2)		Confirmed human carcinogen.
Canada - Manitoba OELs: ca	• •	
BENZENE (CAS 71-43-2 BENZOJAJPYRENE (CAS		Confirmed human carcinogen. Suspected human carcinogen.
DIESEL FUEL, AS TOTA	,	Confirmed animal carcinogen with unknown relevance to humans.
NAPHTHALENE (CAS 91	1-20-3)	Confirmed animal carcinogen with unknown relevance to humans.
Canada - Quebec OELs: Car	rcinogen category	
Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-	-32-8) Evaluation of Carcinogenicity	Detected carcinogenic effect in humans. Suspected carcinogenic effect in humans.
Benzene (CAS 71-43-2)		Volume 29, Supplement 7, Volume 100F 1 Carcinogenic to
		humans.
Benzo[a]pyrene (CAS 50 Naphthalene (CAS 91-20 Petroleum distillates (CAS Toluene (CAS 108-88-3)	-3)	Volume 92, Volume 100F 1 Carcinogenic to humans. Volume 82 - 2B Possibly carcinogenic to humans. Volume 45 - 3 Not classifiable as to carcinogenicity to humans. Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
US - California Proposition	65 - CRT: Listed date/Carcinog	
Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50- Naphthalene (CAS 91-20		
Benzo[a]pyrene (CAS 50-		Reasonably Anticipated to be a Human Carcinogen.
Naphthalene (CAS 91-20 US NTP Report on Carcinog	-3)	Reasonably Anticipated to be a Human Carcinogen.
Benzene (CAS 71-43-2)	llated Substances (29 CFR 19 <sup>2</sup>	Known To Be Human Carcinogen.
Benzene (CAS 71-43-2)		Cancer
Reproductive toxicity	Not classified.	
Teratogenicity	Toluene (benzene, methyl-) has caused fetotoxicity (reduced fetal weight), behavioural effects (effects on learning and memory) and hearing loss (in males). These effects have been observed in the offspring of rats exposed by inhalation to 1200 or 1800 ppm toluene. These effects were observed in the absence of maternal toxicity.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	May cause 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 or repeated exposure can cause kidney damage.
	12. Ecologia	cal Information

Ecotoxicity

Components of this product have been identified as having potential environmental concerns.

Components		Species	Test Results
Benzene (CAS 71-43-2)			
Algae	IC50	Algae	29 mg/L, 72 Hours
Crustacea	EC50	Daphnia	12.18 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	8.76 - 15.6 mg/L, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	7.2 - 11.7 mg/L, 96 hours
Naphthalene (CAS 91-20-3)		(Oncomynenus mykiss)	
Algae	IC50	Algae	0.4 mg/L, 72 Hours
Crustacea	EC50	-	2.16 mg/L, 48 Hours
	EC30	Daphnia	2.10 mg/L, 46 Hours
Aquatic	5050	Material (Depletion of the second)	
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
Toluene (CAS 108-88-3)			
Algae	IC50	Algae	433 mg/L, 72 Hours
Crustacea	EC50	Daphnia	7.645 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/L, 48 hours
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch)	8.11 mg/L, 96 hours
Persistence and degradability	Non-persis	stent/ Group 1	
Bioaccumulative potential	Not availal	ble.	
Mobility in soil	No data av	/ailable.	
Mobility in general	Not availal	ble.	
Other adverse effects	No other a	dverse environmental effects (e.g. ozone deple	etion, photochemical ozone creation
		endocrine disruption, global warming potential)	
		13. Disposal Considerations	
Disposal instructions	Dispose of	f contents/container in accordance with local/re	egional/national/international regulations.
Local disposal regulations	Dispose in	accordance with all applicable regulations.	
Hazardous waste code	The waste disposal c	code should be assigned in discussion betwe ompany.	en the user, the producer and the waste
Waste from residues / unused products		tainers or liners may retain some product resided of in a safe manner (see: Disposal instruction	
	_	tainers should be taken to an approved waste	
•		tied containers may retain product residue, fol	handling site for recycling or disposal. Iow label warnings even after container is
Contaminated packaging	Since emp		
Contaminated packaging Transport of Dangerous Goods	Since emp emptied. Classificat Dangerous	tied containers may retain product residue, fol	low label warnings even after container is 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati	Since emp emptied. Classificat Dangerous product wi ion (DOT)	tied containers may retain product residue, for <b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections is Goods Regulations. If applicable, the technic	low label warnings even after container is 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification	Since emp emptied. Classificat Dangerous product wi ion (DOT)	tied containers may retain product residue, for <b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections is Goods Regulations. If applicable, the technic	low label warnings even after container is 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati Basic shipping requirement UN number	Since emp emptied. Classificat Dangerous product wi tion (DOT) ts: UN1202	<b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections Goods Regulations. If applicable, the technic Il appear below.	low label warnings even after container i 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati Basic shipping requirement UN number Proper shipping name	Since emp emptied. Classificat Dangerous product wi tion (DOT) ts: UN1202 Diesel fue	<b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections Goods Regulations. If applicable, the technic Il appear below.	low label warnings even after container i 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati Basic shipping requirement UN number Proper shipping name Hazard class	Since emp emptied. Classificat Dangerous product wi ion (DOT) ts: UN1202 Diesel fue 3	<b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections Goods Regulations. If applicable, the technic Il appear below.	low label warnings even after container i 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati Basic shipping requirement UN number Proper shipping name Hazard class Packing group	Since emp emptied. Classificat Dangerous product wi ion (DOT) ts: UN1202 Diesel fue 3 III	<b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections Goods Regulations. If applicable, the technic Il appear below.	low label warnings even after container i 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati Basic shipping requirement UN number Proper shipping name Hazard class Packing group Special provisions Packaging exceptions	Since emp emptied. Classificat Dangerous product wi ion (DOT) ts: UN1202 Diesel fue 3 III 144, B1, IE 150	<b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections         s Goods Regulations. If applicable, the technic         II appear below.         33, T2, TP1	low label warnings even after container i 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati Basic shipping requirement UN number Proper shipping name Hazard class Packing group Special provisions Packaging exceptions Transportation of Dangerous Go	Classificat Dangerous product wi ion (DOT) ts: UN1202 Diesel fue 3 III 144, B1, IE 150 pods (TDG -	<b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections         s Goods Regulations. If applicable, the technic         II appear below.         33, T2, TP1	low label warnings even after container i 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati Basic shipping requirement UN number Proper shipping name Hazard class Packing group Special provisions Packaging exceptions Transportation of Dangerous Go Basic shipping requirement	Since emp emptied. Classificat Dangerous product wi ton (DOT) ts: UN1202 Diesel fue 3 III 144, B1, IE 150 cods (TDG - ts:	<b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections         s Goods Regulations. If applicable, the technic         II appear below.         33, T2, TP1	low label warnings even after container i 2.1 – 2.8 of the Transportation of
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati Basic shipping requirement UN number Proper shipping name Hazard class Packing group Special provisions Packaging exceptions Transportation of Dangerous Go Basic shipping requirement UN number	Classificat Dangerous product wi ion (DOT) ts: UN1202 Diesel fue 3 III 144, B1, IE 150 oods (TDG - ts: UN1202	<b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections         a Goods Regulations. If applicable, the technic         II appear below.         33, T2, TP1         Canada)	low label warnings even after container i
Contaminated packaging Transport of Dangerous Goods (TDG) Proof of Classification U.S. Department of Transportati Basic shipping requirement UN number Proper shipping name Hazard class Packing group Special provisions Packaging exceptions Transportation of Dangerous Go Basic shipping requirement	Classificat Dangerous product wi ion (DOT) ts: UN1202 Diesel fue 3 III 144, B1, IE 150 oods (TDG - ts: UN1202	<b>14. Transport Information</b> ion Method: Classified as per Part 2, Sections         s Goods Regulations. If applicable, the technic         II appear below.         33, T2, TP1	low label warnings even after container is 2.1 – 2.8 of the Transportation of cal name and the classification of the



# 15. Regulatory Information

Canadian federal regulations		ed in accordance with the hazard criteria of the Hazardous Products and the SDS contains all the information required by the HPR.
Canada CEPA Schedule I: Li	sted substance	
Benzene (CAS 71-43-2)		Listed.
Benzo[a]pyrene (CAS 50-		Listed.
Naphthalene (CAS 91-20-	•	Listed.
Canada DSL Challenge Subs		
Naphthalene (CAS 91-20-		Listed.
	ditional Reporting Requiremer	ts: Mass reporting threshold/Identification Number
Benzene (CAS 71-43-2)		1 TONNES
Benzo[a]pyrene (CAS 50-	32-8)	1 TONNES
Toluene (CAS 108-88-3)		1 TONNES
Export Control List (CEPA 1	999, Schedule 3)	
Not listed.		
Greenhouse Gases		
Not listed.		
Precursor Control Regulatio	ns	
Toluene (CAS 108-88-3)		Class B
WHMIS 2015 Exemptions	Controlled	
US federal regulations	This product is a "Hazardous 0 Standard, 29 CFR 1910.1200.	Chemical" as defined by the OSHA Hazard Communication
TSCA Section 12(b) Export N	lotification (40 CFR 707, Subp	t. D)
Not regulated.		
<b>CERCLA Hazardous Substar</b>	nce List (40 CFR 302.4)	
Benzene (CAS 71-43-2)		Listed.
Benzo[a]pyrene (CAS 50-	32-8)	Listed.
Naphthalene (CAS 91-20-	3)	Listed.
Toluene (CAS 108-88-3)		Listed.
	ated Substances (29 CFR 191	0.1001-1050)
Benzene (CAS 71-43-2)		Cancer Central nervous system
		Blood
		Aspiration
		Skin
		Eye
		respiratory tract irritation
		Flammability

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#### Superfund Amendments and Reauthorization Act of 1986 (SARA) Immediate Hazard - Yes Hazard categories Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely No hazardous substance SARA 311/312 Hazardous No chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-32-8) Naphthalene (CAS 91-20-3) 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 Benzene (CAS 71-43-2) Listed. Benzo[a]pyrene (CAS 50-32-8) Listed. Naphthalene (CAS 91-20-3) Listed. Toluene (CAS 108-88-3) Listed. **US - Illinois Chemical Safety Act: Listed substance** Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-32-8) Naphthalene (CAS 91-20-3) Toluene (CAS 108-88-3) US - Louisiana Spill Reporting: Listed substance Benzene (CAS 71-43-2) Listed Benzo[a]pyrene (CAS 50-32-8) Listed. Naphthalene (CAS 91-20-3) Listed. Toluene (CAS 108-88-3) Listed. US - Michigan Critical Materials Register: Parameter number Benzene (CAS 71-43-2) BENZENE Benzo[a]pyrene (CAS 50-32-8) **BENZO(A)PYRENE** Toluene (CAS 108-88-3) TOLUENE US - Minnesota Haz Subs: Listed substance Benzene (CAS 71-43-2) Listed. Benzo[a]pyrene (CAS 50-32-8) Listed. Naphthalene (CAS 91-20-3) Listed. Toluene (CAS 108-88-3) Listed. US - New Jersey RTK - Substances: Listed substance Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-32-8) Naphthalene (CAS 91-20-3) Toluene (CAS 108-88-3) US - North Carolina Toxic Air Pollutants: Listed substance Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-32-8) Toluene (CAS 108-88-3) US - Pennsylvania RTK - Hazardous Substances: Special hazard Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-32-8) US - Texas Effects Screening Levels: Listed substance Benzene (CAS 71-43-2) Listed. Benzo[a]pyrene (CAS 50-32-8) Listed. Naphthalene (CAS 91-20-3) Listed. Petroleum distillates (CAS 68476-34-6) Listed.

Toluene (CAS 108-88-3)

Listed.

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

Benzene (CAS 71-43-2) Toluene (CAS 108-88-3)

# US. Massachusetts RTK - Substance List

Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-32-8) Naphthalene (CAS 91-20-3) Toluene (CAS 108-88-3)

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

Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-32-8) Naphthalene (CAS 91-20-3) Petroleum distillates (CAS 68476-34-6) Toluene (CAS 108-88-3)

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

Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-32-8) Naphthalene (CAS 91-20-3) Petroleum distillates (CAS 68476-34-6) Toluene (CAS 108-88-3)

## US. Rhode Island RTK

Benzene (CAS 71-43-2) Benzo[a]pyrene (CAS 50-32-8) Naphthalene (CAS 91-20-3) Toluene (CAS 108-88-3)

## **US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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

	<b>J</b>
Benzene (CAS 71-43-2)	Listed: February 27, 1987
Benzo[a]pyrene (CAS 50-32-8)	Listed: July 1, 1987
Naphthalene (CAS 91-20-3)	Listed: April 19, 2002
US - California Proposition 65 - CRT: Listed	date/Developmental toxin
Benzene (CAS 71-43-2)	Listed: December 26, 1997
Toluene (CAS 108-88-3)	Listed: January 1, 1991
US - California Proposition 65 - CRT: Listed	date/Male reproductive toxin
Benzene (CAS 71-43-2)	Listed: December 26, 1997

## Inventory status

Country(s) or region	Inventory name Or	n 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 "Vaa" indicator that all compar	ponte of this product comply with the inventory requirements administered by the governing	(a)

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

16. Other Information

LEGEND	HEALTH ¥ 1
Severe4Serious3Moderate2Slight1Minimal0	FLAMMABILITY 2 PHYSICAL HAZARD 0 PERSONAL PROTECTION X
Disclaimer	The information contained in this form is based on data from sources considered to be reliable but Irving Oil Refining G.P. does not guarantee the accuracy or completeness thereof. The information is provided as a service to the persons purchasing or using the material to which it refers and Irving Oil Refining G.P. expressly disclaims all liability for loss or damage including consequential loss or for injury to persons including death. The information shall not be reproduced, published or distributed in any manner without prior consent in writing of Irving Oil Refining G.P.
Issue date	18-May-2018
Version #	03
Effective date	18-May-2018

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

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