



SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	Alkylate
Other means of identification	Not available
Recommended use	Blending component
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
Supplier	See above.

2. Hazards Identification

Physical hazards	Gases under pressure	Liquefied gas
Health hazards	Skin corrosion/irritation	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		



Signal word Danger

Hazard statement Extremely flammable liquid and vapor.
Causes skin irritation.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.

Precautionary statement

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges.
Avoid breathing mist or vapor.
Use only outdoors or in a well-ventilated area.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response

In case of fire: Use appropriate media to extinguish.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

Storage

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

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC) None known

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC) None known

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/Information on Ingredients

Mixture

Hazardous components

Chemical name	Common name and synonyms	CAS number	%
Isooctane		540-84-1	10 - 30
Pentane, 2,3,3-trimethyl-		560-21-4	10 - 30
Pentane, 2,3,4-trimethyl-		565-75-3	10 - 30
Butane, 2-methyl-		78-78-4	7 - 13
2,3-Dimethylbutane		79-29-8	1 - 5
2,3-Dimethylhexane		584-94-1	1 - 5
2,4-Dimethylhexane		589-43-5	1 - 5
2,4-Dimethylpentane		108-08-7	1 - 5
2-Methyl-1-butene (technical)		563-46-2	1 - 5
Hexane, 2,2,5-trimethyl-		3522-94-9	1 - 5
Isohexane		107-83-5	1 - 5
Pentane, 2,2,3-trimethyl-		564-02-3	1 - 5
2,2,3-trimethylbutane		464-06-2	0.1 - 1
2,2,4-Trimethylhexane		16747-26-5	0.1 - 1
3,3,4-trimethylhexane		16747-31-2	0.1 - 1
3-Methylhexane		589-34-4	0.1 - 1
4-Methylheptane		589-53-7	0.1 - 1
Benzene, 1,2-dimethyl-		95-47-6	0.1 - 1
Butyl benzene		104-51-8	0.1 - 1
Nonane		111-84-2	0.1 - 1
p-Diethyl benzene		105-05-5	0.1 - 1
Pentane, 3-methyl-		96-14-0	0.1 - 1

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

4. First Aid Measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.
General information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. 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	Water fog. Foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media	Not available.

Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along the ground to some distant 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	Extremely flammable liquid and vapor.
Hazardous combustion products	May include and are not limited to: Aromatic hydrocarbons. Oxides of carbon.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing 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). 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 in 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	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Avoid breathing mist or vapor. Use only with adequate ventilation. 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	Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry, well-ventilated place. 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	Type	Value
2,2,3-trimethylbutane (CAS 464-06-2)	STEL	2050 mg/m ³
	TWA	500 ppm 1640 mg/m ³ 400 ppm
2,2,4-Trimethylhexane (CAS 16747-26-5)	TWA	1050 mg/m ³ 200 ppm
	STEL	3500 mg/m ³ 1000 ppm
2,3-Dimethylbutane (CAS 79-29-8)	TWA	1760 mg/m ³ 500 ppm
	TWA	1400 mg/m ³ 300 ppm

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

Components	Type	Value
2,4-Dimethylhexane (CAS 589-43-5)	TWA	1400 mg/m ³ 300 ppm
	STEL	2050 mg/m ³ 500 ppm
2,4-Dimethylpentane (CAS 108-08-7)	TWA	1640 mg/m ³ 400 ppm
	STEL	2050 mg/m ³ 500 ppm
3,3,4-trimethylhexane (CAS 16747-31-2)	TWA	1050 mg/m ³ 200 ppm
	STEL	2050 mg/m ³ 500 ppm
3-Methylhexane (CAS 589-34-4)	TWA	1640 mg/m ³ 400 ppm
	STEL	2050 mg/m ³ 500 ppm
4-Methylheptane (CAS 589-53-7)	TWA	1400 mg/m ³ 300 ppm
	STEL	651 mg/m ³ 150 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	TWA	434 mg/m ³ 100 ppm
	STEL	651 mg/m ³ 150 ppm
Butane, 2-methyl- (CAS 78-78-4)	TWA	1770 mg/m ³ 600 ppm
	STEL	3500 mg/m ³ 1000 ppm
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	TWA	1050 mg/m ³ 200 ppm
	STEL	3500 mg/m ³ 1000 ppm
Isohexane (CAS 107-83-5)	TWA	1760 mg/m ³ 500 ppm
	STEL	3500 mg/m ³ 1000 ppm
Isooctane (CAS 540-84-1)	TWA	1400 mg/m ³ 300 ppm
	STEL	3500 mg/m ³ 1000 ppm
Nonane (CAS 111-84-2)	TWA	1050 mg/m ³ 200 ppm
	STEL	3500 mg/m ³ 1000 ppm
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	TWA	1400 mg/m ³ 300 ppm
	STEL	3500 mg/m ³ 1000 ppm
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)	TWA	1400 mg/m ³ 300 ppm
	STEL	3500 mg/m ³ 1000 ppm
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	TWA	1400 mg/m ³ 300 ppm
	STEL	3500 mg/m ³ 1000 ppm
Pentane, 3-methyl- (CAS 96-14-0)	TWA	1760 mg/m ³ 500 ppm
	STEL	3500 mg/m ³ 1000 ppm

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

Components	Type	Value
2,2,3-trimethylbutane (CAS 464-06-2)	STEL	500 ppm
	TWA	400 ppm
2,3-Dimethylbutane (CAS 79-29-8)	TWA	200 ppm
2,4-Dimethylpentane (CAS 108-08-7)	STEL	500 ppm
	TWA	400 ppm
3-Methylhexane (CAS 589-34-4)	STEL	500 ppm
	TWA	400 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
Butane, 2-methyl- (CAS 78-78-4)	TWA	600 ppm
Isohexane (CAS 107-83-5)	TWA	200 ppm
Isooctane (CAS 540-84-1)	TWA	300 ppm
Nonane (CAS 111-84-2)	TWA	200 ppm
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	TWA	300 ppm
Pentane, 3-methyl- (CAS 96-14-0)	TWA	200 ppm

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

Components	Type	Value
2,2,3-trimethylbutane (CAS 464-06-2)	STEL	500 ppm
	TWA	400 ppm
2,2,4-Trimethylhexane (CAS 16747-26-5)	TWA	200 ppm
2,3-Dimethylbutane (CAS 79-29-8)	STEL	1000 ppm
	TWA	500 ppm
2,4-Dimethylpentane (CAS 108-08-7)	STEL	500 ppm
	TWA	400 ppm
3,3,4-trimethylhexane (CAS 16747-31-2)	TWA	200 ppm
3-Methylhexane (CAS 589-34-4)	STEL	500 ppm
	TWA	400 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
Butane, 2-methyl- (CAS 78-78-4)	TWA	1000 ppm
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	TWA	200 ppm
Isohexane (CAS 107-83-5)	STEL	1000 ppm
	TWA	500 ppm
Nonane (CAS 111-84-2)	TWA	200 ppm
Pentane, 3-methyl- (CAS 96-14-0)	STEL	1000 ppm
	TWA	500 ppm

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

Components	Type	Value
2,2,3-trimethylbutane (CAS 464-06-2)	STEL	500 ppm
	TWA	400 ppm
2,3-Dimethylbutane (CAS 79-29-8)	STEL	1000 ppm
	TWA	500 ppm
2,4-Dimethylpentane (CAS 108-08-7)	STEL	500 ppm
	TWA	400 ppm
3-Methylhexane (CAS 589-34-4)	STEL	500 ppm
	TWA	400 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
Butane, 2-methyl- (CAS 78-78-4)	TWA	600 ppm
	STEL	1000 ppm
Isohexane (CAS 107-83-5)	TWA	500 ppm
	TWA	300 ppm
Isooctane (CAS 540-84-1)	TWA	300 ppm
	TWA	200 ppm
Nonane (CAS 111-84-2)	TWA	300 ppm
	TWA	300 ppm
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	TWA	300 ppm
	STEL	1000 ppm
Pentane, 3-methyl- (CAS 96-14-0)	TWA	500 ppm

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

Components	Type	Value
2,2,4-Trimethylhexane (CAS 16747-26-5)	TWA	1050 mg/m3
		200 ppm
2,3-Dimethylbutane (CAS 79-29-8)	STEL	3500 mg/m3
	TWA	1000 ppm
2,3-Dimethylhexane (CAS 584-94-1)	TWA	1760 mg/m3
	STEL	500 ppm
2,4-Dimethylhexane (CAS 589-43-5)	STEL	1750 mg/m3
	TWA	375 ppm
3,3,4-trimethylhexane (CAS 16747-31-2)	TWA	1400 mg/m3
		300 ppm
4-Methylheptane (CAS 589-53-7)	STEL	1750 mg/m3
	TWA	375 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	1400 mg/m3
		300 ppm
	STEL	651 mg/m3
		150 ppm

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

Components	Type	Value
	TWA	434 mg/m3 100 ppm
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	TWA	1050 mg/m3 200 ppm
Isohexane (CAS 107-83-5)	STEL	3500 mg/m3 1000 ppm
	TWA	1760 mg/m3 500 ppm
Isooctane (CAS 540-84-1)	STEL	1750 mg/m3 375 ppm
	TWA	1400 mg/m3 300 ppm
Nonane (CAS 111-84-2)	TWA	1050 mg/m3 200 ppm
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	STEL	1750 mg/m3 375 ppm
	TWA	1400 mg/m3 300 ppm
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)	STEL	1750 mg/m3 375 ppm
	TWA	1400 mg/m3 300 ppm
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	STEL	1750 mg/m3 375 ppm
	TWA	1400 mg/m3 300 ppm
Pentane, 3-methyl- (CAS 96-14-0)	STEL	3500 mg/m3 1000 ppm
	TWA	1760 mg/m3 500 ppm

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

Components	Type	Value
2,3-Dimethylhexane (CAS 584-94-1)	PEL	2350 mg/m3 500 ppm
2,4-Dimethylhexane (CAS 589-43-5)	PEL	2350 mg/m3 500 ppm
4-Methylheptane (CAS 589-53-7)	PEL	2350 mg/m3 500 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	PEL	435 mg/m3 100 ppm
Isooctane (CAS 540-84-1)	PEL	2350 mg/m3 500 ppm
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	PEL	2350 mg/m3 500 ppm
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)	PEL	2350 mg/m3 500 ppm
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	PEL	2350 mg/m3

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

Components	Type	Value
		500 ppm
US. ACGIH Threshold Limit Values		
Components	Type	Value
2,2,3-trimethylbutane (CAS 464-06-2)	STEL	500 ppm
	TWA	400 ppm
2,2,4-Trimethylhexane (CAS 16747-26-5)	TWA	200 ppm
2,3-Dimethylbutane (CAS 79-29-8)	STEL	1000 ppm
	TWA	500 ppm
2,4-Dimethylpentane (CAS 108-08-7)	STEL	500 ppm
	TWA	400 ppm
3,3,4-trimethylhexane (CAS 16747-31-2)	TWA	200 ppm
3-Methylhexane (CAS 589-34-4)	STEL	500 ppm
	TWA	400 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
Butane, 2-methyl- (CAS 78-78-4)	TWA	1000 ppm
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	TWA	200 ppm
Isohexane (CAS 107-83-5)	STEL	1000 ppm
	TWA	500 ppm
Nonane (CAS 111-84-2)	TWA	200 ppm
Pentane, 3-methyl- (CAS 96-14-0)	STEL	1000 ppm
	TWA	500 ppm
US. NIOSH: Pocket Guide to Chemical Hazards		
Components	Type	Value
2,2,4-Trimethylhexane (CAS 16747-26-5)	TWA	1050 mg/m3
		200 ppm
2,3-Dimethylbutane (CAS 79-29-8)	Ceiling	1800 mg/m3
		510 ppm
	TWA	350 mg/m3
		100 ppm
2,3-Dimethylhexane (CAS 584-94-1)	Ceiling	1800 mg/m3
		385 ppm
	TWA	350 mg/m3
		75 ppm
2,4-Dimethylhexane (CAS 589-43-5)	Ceiling	1800 mg/m3
		385 ppm
	TWA	350 mg/m3
		75 ppm
3,3,4-trimethylhexane (CAS 16747-31-2)	TWA	1050 mg/m3
		200 ppm
4-Methylheptane (CAS 589-53-7)	Ceiling	1800 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
		385 ppm
	TWA	350 mg/m3 75 ppm
Benzene, 1,2-dimethyl- (CAS 95-47-6)	STEL	655 mg/m3
		150 ppm
	TWA	435 mg/m3 100 ppm
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	TWA	1050 mg/m3
		200 ppm
Isohexane (CAS 107-83-5)	Ceiling	1800 mg/m3 510 ppm
	TWA	350 mg/m3 100 ppm
Isooctane (CAS 540-84-1)	Ceiling	1800 mg/m3 385 ppm
	TWA	350 mg/m3 75 ppm
Nonane (CAS 111-84-2)	TWA	1050 mg/m3 200 ppm
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	Ceiling	1800 mg/m3
		385 ppm
	TWA	350 mg/m3 75 ppm
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)	Ceiling	1800 mg/m3
		385 ppm
	TWA	350 mg/m3 75 ppm
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	Ceiling	1800 mg/m3
		385 ppm
	TWA	350 mg/m3 75 ppm
Pentane, 3-methyl- (CAS 96-14-0)	Ceiling	1800 mg/m3
		510 ppm
	TWA	350 mg/m3 100 ppm

US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
p-Diethyl benzene (CAS 105-05-5)	TWA	5 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Benzene, 1,2-dimethyl- (CAS 95-47-6)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

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

Appropriate engineering controls Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Face shield or chemical goggles.

Skin protection	
Hand protection	Impervious gloves. Confirm with reputable supplier first.
Other	Coveralls to prevent skin contact. 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	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, drink or smoke.

9. Physical and Chemical Properties

Appearance	Liquid
Physical state	Liquid.
Form	Liquid or Vapor
Color	Clear
Odor	Petroleum
Odor threshold	Not available.
pH	Not applicable
Melting point/freezing point	<= -58 °F (<= -50 °C)
Initial boiling point and boiling range	86 - 392 °F (30 - 200 °C)
Pour point	Not available.
Specific gravity	~0.8
Partition coefficient (n-octanol/water)	Not available.
Flash point	-49.0 °F (-45.0 °C) Closed Cup
Evaporation rate	~ 4 (BuAc=1)
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	> 1.4 %
Flammability limit - upper (%)	< 7.6 %
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	20 - 70 kPa @37.8°C
Vapor density	3 - 4 @ 20°C
Relative density	Not available.
Solubility(ies)	Insoluble
Auto-ignition temperature	852.8 °F (456 °C)
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

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 heat, sparks, open flames and other ignition sources. Do not mix with other chemicals.
Incompatible materials	Acids. Strong oxidizing agents.

Hazardous decomposition products

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

11. Toxicological Information

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact. Eye, Skin contact, Skin absorption, Inhalation, Ingestion. Eye, Skin contact, Inhalation, Ingestion.**Information on likely routes of exposure****Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. May cause stomach distress, nausea or vomiting.**Inhalation** May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.**Skin contact** Causes skin irritation.**Eye contact** Direct contact with eyes may cause temporary irritation.**Symptoms related to the physical, chemical and toxicological characteristics** Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin irritation. May cause redness and pain.

Information on toxicological effects**Acute toxicity** May be fatal if swallowed and enters airways. Narcotic effects.

Components	Species	Test Results
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1,1,2-Trimethylcyclohexane (CAS 7094-26-0)

Acute*Inhalation*

LC50 Not available

Oral

LD50 Not available

2,2,3-trimethylbutane (CAS 464-06-2)

Acute*Inhalation*

LC50 Not available

Oral

LD50 Not available

2,2,4-Trimethylhexane (CAS 16747-26-5)

Acute*Inhalation*

LC50 Rat 3200 ppm, 4 Hours

3200 mg/L, 4 Hours

Oral

LD50 Not available

2,3-Dimethylbutane (CAS 79-29-8)

Acute*Inhalation*

LC50 Not available

Oral

LD50 Not available

2,3-Dimethylhexane (CAS 584-94-1)

Acute*Dermal*

LD50 Not available

Inhalation

LC50 Rat 118 mg/L, 4 Hours

Oral

LD50 Not available

2,4-Dimethylhexane (CAS 589-43-5)

Acute*Dermal*

LD50 Not available

Components	Species	Test Results
<i>Inhalation</i>		
LC50	Rat	118 mg/L, 4 Hours
<i>Oral</i>		
LD50	Not available	
2,4-Dimethylpentane (CAS 108-08-7)		
Acute		
<i>Inhalation</i>		
LD50	Not available	
<i>Oral</i>		
LD50	Not available	
2-Methyl-1-butene (technical) (CAS 563-46-2)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Oral</i>		
LD50	Not available	
3,3,4-trimethylhexane (CAS 16747-31-2)		
Acute		
<i>Inhalation</i>		
LC50	Rat	3200 ppm, 4 Hours
<i>Oral</i>		
LD50	Not available	
3-Methylhexane (CAS 589-34-4)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
4-Methylheptane (CAS 589-53-7)		
Acute		
<i>Inhalation</i>		
LC50	Rat	118 mg/L, 4 Hours
<i>Oral</i>		
LD50	Not available	
Benzene, 1,2-dimethyl- (CAS 95-47-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	20000 mg/kg
<i>Inhalation</i>		
LC50	Mouse	4600 ppm, 6 Hours
	Rat	6350 ppm, 4 Hours
		5000 mg/l/4h
		2180 ppm
<i>Oral</i>		
LD50	Mouse	1590 mg/kg
	Rat	3608 mg/kg
Butane, 2-methyl- (CAS 78-78-4)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	14000 ppm
		1000 mg/L, 1 Hours
		450 mg/L, 2 Hours
	Rat	> 25.3 mg/L, 4 Hours

Components	Species	Test Results
Oral LD50	Rat	> 2000 mg/kg
LD50 Oral LD50	Not available	
Butyl benzene (CAS 104-51-8)		
Acute Inhalation LC50	Not available	
Oral LD50	Not available	
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)		
Acute Inhalation LC50	Rat	3200 mg/L, 4 Hours 3200 ppm, 4 Hours
LD50 Not available.		
Isohexane (CAS 107-83-5)		
Acute Inhalation LC50	Not available	
Oral LD50	Not available	
Isooctane (CAS 540-84-1)		
Acute Dermal LD50	Not available	
Inhalation LC50	Rat	118 mg/L, 4 Hours
Isopropylcyclohexane (CAS 696-29-7)		
Acute Inhalation LC50	Not available	
Oral LD50	Not available	
Nonane (CAS 111-84-2)		
Acute Inhalation LC50	Rat	3200 ppm, 4 Hours
Oral LD50	Rat	>= 15000 mg/kg
Nonane, 5-methyl- (CAS 15869-85-9)		
Acute Inhalation LC50	Not available	
Oral LD50	Not available	
p-Diethyl benzene (CAS 105-05-5)		
Acute Inhalation LC50	Mouse	30000 mg/m3
Oral LD50	Rat	2000 mg/kg

Components	Species	Test Results
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)		
Acute		
<i>Inhalation</i>		
LC50	Rat	118 mg/L, 4 Hours
<i>Oral</i>		
LD50	Not available	
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Rat	118 mg/L, 4 Hours
<i>Oral</i>		
LD50	Not available	
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Rat	118 mg/L, 4 Hours
<i>Oral</i>		
LD50	Not available	
Pentane, 3-methyl- (CAS 96-14-0)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Skin corrosion/irritation	Causes skin irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization		
Canada - Alberta OELs: Irritant		
2,3-Dimethylhexane (CAS 584-94-1)		Irritant
2,4-Dimethylhexane (CAS 589-43-5)		Irritant
4-Methylheptane (CAS 589-53-7)		Irritant
Isooctane (CAS 540-84-1)		Irritant
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)		Irritant
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)		Irritant
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)		Irritant
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Mutagenicity	Not classified.	
Carcinogenicity	See below.	
Canada - Manitoba OELs: carcinogenicity		
XYLENE (O, M AND P ISOMERS) (CAS 95-47-6)		Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzene, 1,2-dimethyl- (CAS 95-47-6)

Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.

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

Not listed.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects. Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity	Non-hazardous by WHMIS/OSHA criteria.
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful. Blood and nervous system disorders may occur after prolonged skin contact.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components		Species	Test Results
Benzene, 1,2-dimethyl- (CAS 95-47-6)			
Algae	IC50	Algae	4.2 mg/L, 72 Hours
Crustacea	EC50	Daphnia	3.2 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.78 - 2.51 mg/L, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	5.59 - 11.6 mg/L, 96 hours
Butane, 2-methyl- (CAS 78-78-4)			
Crustacea	EC50	Daphnia	2.3 mg/L, 48 Hours
Butyl benzene (CAS 104-51-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.27 - 0.44 mg/L, 48 hours
Persistence and degradability	Non-persistent/ Group 1		
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)		

13. Disposal Considerations

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

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number	UN1203
Proper shipping name	GASOLINE
Hazard class	3
Packing group	II

TDG



15. Regulatory Information

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

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

2,2,3-trimethylbutane (CAS 464-06-2)	1 TONNES
2,2,4-Trimethylhexane (CAS 16747-26-5)	1 TONNES
2,3-Dimethylbutane (CAS 79-29-8)	1 TONNES
2,3-Dimethylhexane (CAS 584-94-1)	1 TONNES
2,4-Dimethylhexane (CAS 589-43-5)	1 TONNES
2,4-Dimethylpentane (CAS 108-08-7)	1 TONNES
2- Methyl-1-butene (technical) (CAS 563-46-2)	1 TONNES
3,3,4-trimethylhexane (CAS 16747-31-2)	1 TONNES
3-Methylhexane (CAS 589-34-4)	1 TONNES
4- Methylheptane (CAS 589-53-7)	1 TONNES
Benzene, 1,2-dimethyl- (CAS 95-47-6)	1 TONNES
Butane, 2-methyl- (CAS 78-78-4)	1 TONNES
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	1 TONNES
Isohexane (CAS 107-83-5)	1 TONNES
Isooctane (CAS 540-84-1)	1 TONNES
Nonane (CAS 111-84-2)	1 TONNES
Nonane, 5-methyl- (CAS 15869-85-9)	1 TONNES
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	1 TONNES
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)	1 TONNES
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	1 TONNES
Pentane, 3-methyl- (CAS 96-14-0)	1 TONNES

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

WHMIS 2015 Exemptions Not applicable

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

2,2,4-Trimethylhexane (CAS 16747-26-5)	1.0 % One-Time Export Notification only.
3,3,4-trimethylhexane (CAS 16747-31-2)	1.0 % One-Time Export Notification only.
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	1.0 % One-Time Export Notification only.
Nonane (CAS 111-84-2)	1.0 % One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)

2,2,3-trimethylbutane (CAS 464-06-2)	Listed.
2,2,4-Trimethylhexane (CAS 16747-26-5)	Listed.
2,3-Dimethylbutane (CAS 79-29-8)	Listed.
2,3-Dimethylhexane (CAS 584-94-1)	Listed.
2,4-Dimethylhexane (CAS 589-43-5)	Listed.
2,4-Dimethylpentane (CAS 108-08-7)	Listed.
2- Methyl-1-butene (technical) (CAS 563-46-2)	Listed.
3,3,4-trimethylhexane (CAS 16747-31-2)	Listed.
3-Methylhexane (CAS 589-34-4)	Listed.
4- Methylheptane (CAS 589-53-7)	Listed.
Benzene, 1,2-dimethyl- (CAS 95-47-6)	Listed.
Butane, 2-methyl- (CAS 78-78-4)	Listed.

Isohexane (CAS 107-83-5)	Listed.
Isooctane (CAS 540-84-1)	Listed.
Nonane (CAS 111-84-2)	Listed.
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	Listed.
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)	Listed.
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	Listed.
Pentane, 3-methyl- (CAS 96-14-0)	Listed.

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

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
 Not regulated.

Other federal regulations

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

Benzene, 1,2-dimethyl- (CAS 95-47-6)
 Isooctane (CAS 540-84-1)

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

2-Methyl-1-butene (technical) (CAS 563-46-2)
 Butane, 2-methyl- (CAS 78-78-4)

US state regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. See below

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

2,2,4-Trimethylhexane (CAS 16747-26-5)	Listed.
2,3-Dimethylbutane (CAS 79-29-8)	Listed.
2,3-Dimethylhexane (CAS 584-94-1)	Listed.
2,4-Dimethylhexane (CAS 589-43-5)	Listed.
3,3,4-trimethylhexane (CAS 16747-31-2)	Listed.
4-Methylheptane (CAS 589-53-7)	Listed.
Benzene, 1,2-dimethyl- (CAS 95-47-6)	Listed.
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	Listed.
Isohexane (CAS 107-83-5)	Listed.
Isooctane (CAS 540-84-1)	Listed.
Nonane (CAS 111-84-2)	Listed.
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	Listed.
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)	Listed.
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	Listed.
Pentane, 3-methyl- (CAS 96-14-0)	Listed.

US - Illinois Chemical Safety Act: Listed substance

2,2,3-trimethylbutane (CAS 464-06-2)
 2,2,4-Trimethylhexane (CAS 16747-26-5)
 2,3-Dimethylbutane (CAS 79-29-8)
 2,3-Dimethylhexane (CAS 584-94-1)
 2,4-Dimethylhexane (CAS 589-43-5)
 2,4-Dimethylpentane (CAS 108-08-7)
 2- Methyl-1-butene (technical) (CAS 563-46-2)
 3,3,4-trimethylhexane (CAS 16747-31-2)
 3-Methylhexane (CAS 589-34-4)
 4- Methylheptane (CAS 589-53-7)
 Benzene, 1,2-dimethyl- (CAS 95-47-6)
 Butane, 2-methyl- (CAS 78-78-4)
 Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)
 Isohexane (CAS 107-83-5)
 Isooctane (CAS 540-84-1)
 Nonane (CAS 111-84-2)
 Pentane, 2,2,3-trimethyl- (CAS 564-02-3)
 Pentane, 2,3,3-trimethyl- (CAS 560-21-4)

Pentane, 3-methyl- (CAS 96-14-0)

US - Louisiana Spill Reporting: Listed substance

2,2,3-trimethylbutane (CAS 464-06-2)	Listed.
2,2,4-Trimethylhexane (CAS 16747-26-5)	Listed.
2,3-Dimethylbutane (CAS 79-29-8)	Listed.
2,3-Dimethylhexane (CAS 584-94-1)	Listed.
2,4-Dimethylhexane (CAS 589-43-5)	Listed.
2,4-Dimethylpentane (CAS 108-08-7)	Listed.
2- Methyl-1-butene (technical) (CAS 563-46-2)	Listed.
3,3,4-trimethylhexane (CAS 16747-31-2)	Listed.
3-Methylhexane (CAS 589-34-4)	Listed.
4- Methylheptane (CAS 589-53-7)	Listed.
Benzene, 1,2-dimethyl- (CAS 95-47-6)	Listed.
Butane, 2-methyl- (CAS 78-78-4)	Listed.
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	Listed.
Isohexane (CAS 107-83-5)	Listed.
Isooctane (CAS 540-84-1)	Listed.
Nonane (CAS 111-84-2)	Listed.
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	Listed.
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)	Listed.
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	Listed.

US - Michigan Critical Materials Register: Parameter number

Benzene, 1,2-dimethyl- (CAS 95-47-6)	XYLENE (ALL ISOMERS)
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US - Minnesota Haz Subs: Listed substance

2,3-Dimethylbutane (CAS 79-29-8)	Listed.
Benzene, 1,2-dimethyl- (CAS 95-47-6)	Listed.
Isohexane (CAS 107-83-5)	Listed.
Nonane, 5-methyl- (CAS 15869-85-9)	Listed.
Pentane, 3-methyl- (CAS 96-14-0)	Listed.

US - New Jersey RTK - Substances: Listed substance

2,3-Dimethylbutane (CAS 79-29-8)	
2,3-Dimethylhexane (CAS 584-94-1)	
2,4-Dimethylhexane (CAS 589-43-5)	
2,4-Dimethylpentane (CAS 108-08-7)	
2-Methyl-1-butene (technical) (CAS 563-46-2)	
3-Methylhexane (CAS 589-34-4)	
4-Methylheptane (CAS 589-53-7)	
Benzene, 1,2-dimethyl- (CAS 95-47-6)	
Butane, 2-methyl- (CAS 78-78-4)	
Butyl benzene (CAS 104-51-8)	
Isohexane (CAS 107-83-5)	
Isooctane (CAS 540-84-1)	
Nonane (CAS 111-84-2)	
p-Diethyl benzene (CAS 105-05-5)	
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)	
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)	
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	

US - North Carolina Toxic Air Pollutants: Listed substance

2,3-Dimethylbutane (CAS 79-29-8)	
Benzene, 1,2-dimethyl- (CAS 95-47-6)	
Isohexane (CAS 107-83-5)	
Pentane, 3-methyl- (CAS 96-14-0)	

US - Texas Effects Screening Levels: Listed substance

2,2,3-trimethylbutane (CAS 464-06-2)	Listed.
2,3-Dimethylbutane (CAS 79-29-8)	Listed.
2,4-Dimethylpentane (CAS 108-08-7)	Listed.
3- Methylhexane (CAS 589-34-4)	Listed.
4- Methylheptane (CAS 589-53-7)	Listed.
7) Benzene, 1,2-dimethyl- (CAS 95-47-6)	Listed.
4) Butane, 2-methyl- (CAS 78-78-4)	Listed.
4) Butyl benzene (CAS 104-51-8)	Listed.
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)	Listed.
Isohexane (CAS 107-83-5)	Listed.
Isooctane (CAS 540-84-1)	Listed.
Nonane (CAS 111-84-2)	Listed.
p-Diethyl benzene (CAS 105-05-5)	Listed.
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)	Listed.

Pentane, 3-methyl- (CAS 96-14-0)

Listed.

US. Massachusetts RTK - Substance List

2,2,3-trimethylbutane (CAS 464-06-2)
2,2,4-Trimethylhexane (CAS 16747-26-5)
2,3-Dimethylbutane (CAS 79-29-8)
2,3-Dimethylhexane (CAS 584-94-1)
2,4-Dimethylhexane (CAS 589-43-5)
2,4-Dimethylpentane (CAS 108-08-7)
2- Methyl-1-butene (technical) (CAS 563-46-2)
3,3,4-trimethylhexane (CAS 16747-31-2)
3-Methylhexane (CAS 589-34-4)
4- Methylheptane (CAS 589-53-7)
Benzene, 1,2-dimethyl- (CAS 95-47-6)
Butane, 2-methyl- (CAS 78-78-4)
Butyl benzene (CAS 104-51-8)
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)
Isohexane (CAS 107-83-5)
Isooctane (CAS 540-84-1)
Nonane (CAS 111-84-2)
p-Diethyl benzene (CAS 105-05-5)
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)
Pentane, 2,3,4-trimethyl- (CAS 565-75-3)

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

2-Methyl-1-butene (technical) (CAS 563-46-2)
Benzene, 1,2-dimethyl- (CAS 95-47-6)
Butane, 2-methyl- (CAS 78-78-4)

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

2,2,3-trimethylbutane (CAS 464-06-2)
2,2,4-Trimethylhexane (CAS 16747-26-5)
2,3-Dimethylbutane (CAS 79-29-8)
2,3-Dimethylhexane (CAS 584-94-1)
2,4-Dimethylhexane (CAS 589-43-5)
2,4-Dimethylpentane (CAS 108-08-7)
2- Methyl-1-butene (technical) (CAS 563-46-2)
3,3,4-trimethylhexane (CAS 16747-31-2)
3- Methylhexane (CAS 589-34-4)
Benzene, 1,2-dimethyl- (CAS 95-47-6)
Butane, 2-methyl- (CAS 78-78-4)
Butyl benzene (CAS 104-51-8)
Hexane, 2,2,5-trimethyl- (CAS 3522-94-9)
Isohexane (CAS 107-83-5)
Isooctane (CAS 540-84-1)
Nonane (CAS 111-84-2)
p-Diethyl benzene (CAS 105-05-5)
Pentane, 2,2,3-trimethyl- (CAS 564-02-3)
Pentane, 2,3,3-trimethyl- (CAS 560-21-4)
Pentane, 3-methyl- (CAS 96-14-0)

US. Rhode Island RTK

2-Methyl-1-butene (technical) (CAS 563-46-2)
Benzene, 1,2-dimethyl- (CAS 95-47-6)
Butane, 2-methyl- (CAS 78-78-4)
Isooctane (CAS 540-84-1)

US. California Proposition 65

Not Listed.

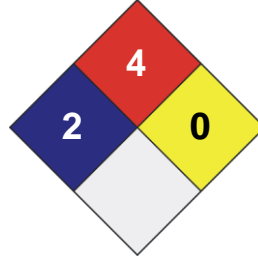
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

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

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	*	2
FLAMMABILITY		4
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X



Disclaimer

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Issue date

23-January-2017

Version

02

Effective date

23-January-2017

Prepared by

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

Other information

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.