# SAFETY DATA SHEET

# 1. Identification

**Product identifier DIESEL** 

Other means of identification

SDS number 210

Ultra low sulfur Diesel (ULSD) A **Synonyms** 

Ultra low sulfur Diesel (ULSD) B

Recommended use Fuel, Heating Oil None known. **Recommended restrictions** 

Manufacturer/Importer/Supplier/Distributor information

Énergie Valero Inc. Manufacturer/Supplier

> 1801 McGill College, 13e étage Montreal, Quebec H3A 2N4

1-800-295-0391 **General Information** 

Canutec (613) 996-6666 24-Hour Emergency

**New Brunswick Poison** 

**Information Center** 

**Newfoundland Poison** 

(709) 722-1110

**Control Center** 

Nova Scotia / PEI Poison

**Control Center** 

1-800-565-8161

(506) 857-5555

**Ontario Regional Poison** 1-800-267-1373 (Ottawa) **Information Center** 1-800-268-9017 (Toronto)

**Quebec Poison Control** 

Center

1-800-463-5060

## 2. Hazard(s) identification

**Physical hazards** Category 3 Flammable liquids **Health hazards** Acute toxicity, oral Category 4 Acute toxicity, inhalation Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Category 2 Carcinogenicity Specific target organ toxicity following single Category 1

exposure

Specific target organ toxicity following

repeated exposure

Category 2 (Bone Marrow, Liver, Thymus)

Category 1 Aspiration hazard Category 2

Hazardous to the aquatic environment, acute hazard

Hazardous to the aquatic environment,

long-term hazard

Category 2

Label elements

**Environmental hazards** 



Signal word Danger

DIESEL SDS Canada 934386 1 / 11 Version #: 02 

#### **Hazard statement**

Flammable liquid and vapour. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. Suspected of causing cancer. Causes damage to organs. May cause damage to organs (Bone Marrow, Liver, Thymus) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

#### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe mist or vapour. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

IF SWALLOWED: Immediately call a POISON CENTRE/doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Call a POISON CENTRE/doctor. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

Storage

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

**Disposal** 

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

Other hazards

None known.

Supplemental information

None.

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	CAS number	% 0 - 100	
Fuels, diesel	68334-30-5		
Fuels, diesel, C9-18-alkane branched and linear	1159170-26-9	0 - 30	

Additional components	CAS number	%
Nonane	111-84-2	≤ 3
Octane	111-65-9	≤ 2
Toluene	108-88-3	≤ 1
Xylene	1330-20-7	≤ 1
Ethylbenzene	100-41-4	≤1

#### **Composition comments**

All concentrations are in percent by weight.

## 4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Aspiration may cause pulmonary oedema and pneumonitis. Severe eye irritation. Symptoms may

Ingestion

Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and

include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Jaundice. Prolonged exposure may cause chronic effects.

delayed Indication of immediate medical attention and special

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under

treatment needed ambulance. Continue flushing during tran observation. Symptoms may be delayed.

#### **General information**

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. 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.

# 5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods
General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Flammable liquid and vapour.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

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. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

**Environmental precautions** 

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapour. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see section 10 of the SDS).

# 8. Exposure controls/personal protection

# Occupational exposure limits

Components	Туре	Value	Form
Fuels, diesel (CAS 68334-30-5)	TWA	100 mg/m3	Inhalable fraction and vapor.
Additional components	Туре	Value	- 1
Nonane (CAS 111-84-2)	TWA	200 ppm	
Octane (CAS 111-65-9)	TWA	300 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
Aylene (ONO 1000 20 1)	TWA	100 ppm	
Ethylbenzene (CAS	TWA	20 ppm	
100-41-4)	IVVA	20 ρρπ	
Canada. Alberta OELs (Occupation	nal Health & Safety Code, Scl	hedule 1, Table 2)	
Components	Туре	Value	
Fuels, diesel (CAS	TWA	100 mg/m3	
68334-30-5)	<b>-</b>	<b>W</b> .1	
Additional components	Туре	Value	
Nonane (CAS 111-84-2)	TWA	1050 mg/m3	
		200 ppm	
Octane (CAS 111-65-9)	TWA	1400 mg/m3	
		300 ppm	
Toluene (CAS 108-88-3)	TWA	188 mg/m3	
		50 ppm	
Xylene (CAS 1330-20-7)	STEL	651 mg/m3	
,		150 ppm	
	TWA	434 mg/m3	
		100 ppm	
Ethylbenzene (CAS	STEL	543 mg/m3	
100-41-4)			
		125 ppm	
	TWA	434 mg/m3	
		100 ppm	
Canada. British Columbia OELs. (0		s for Chemical Substances, O	ccupational Health and
Safaty Dagulation 206/07 on amon	-	Value	Form
	lype		
Components	Type  TWA		
Components Fuels, diesel (CAS	TWA	100 mg/m3	Vapour and aerosol.
Components Fuels, diesel (CAS 68334-30-5)			
Components Fuels, diesel (CAS 68334-30-5) Additional components	TWA	100 mg/m3	
Components Fuels, diesel (CAS 68334-30-5) Additional components Nonane (CAS 111-84-2)	TWA Type	100 mg/m3 <b>Value</b>	
Components Fuels, diesel (CAS 68334-30-5) Additional components Nonane (CAS 111-84-2) Octane (CAS 111-65-9)	TWA Type TWA	100 mg/m3  Value  200 ppm	
Components Fuels, diesel (CAS 68334-30-5) Additional components Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3)	TWA Type TWA TWA	100 mg/m3  Value  200 ppm 300 ppm	
Components Fuels, diesel (CAS 68334-30-5) Additional components Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3)	TWA  Type  TWA  TWA  TWA  TWA	100 mg/m3  Value  200 ppm 300 ppm 20 ppm	
Safety Regulation 296/97, as amen Components  Fuels, diesel (CAS 68334-30-5)  Additional components  Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)  Ethylbenzene (CAS 100-41-4)	TWA  Type  TWA  TWA  TWA  TWA  STEL	100 mg/m3  Value  200 ppm 300 ppm 20 ppm 150 ppm	
Components Fuels, diesel (CAS 68334-30-5) Additional components  Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)  Ethylbenzene (CAS 100-41-4)	TWA  Type  TWA  TWA  TWA  STEL  TWA  TWA  TWA	100 mg/m3  Value  200 ppm 300 ppm 20 ppm 150 ppm 100 ppm 20 ppm	
Components Fuels, diesel (CAS 68334-30-5) Additional components  Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)  Ethylbenzene (CAS 100-41-4) Canada. Manitoba OELs (Reg. 217	TWA  Type  TWA  TWA  TWA  STEL  TWA  TWA  TWA	100 mg/m3  Value  200 ppm 300 ppm 20 ppm 150 ppm 100 ppm 20 ppm	
Components  Fuels, diesel (CAS 68334-30-5)  Additional components  Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)  Ethylbenzene (CAS 100-41-4)  Canada. Manitoba OELs (Reg. 217)  Components  Fuels, diesel (CAS	TWA  Type  TWA  TWA  TWA  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA	100 mg/m3  Value  200 ppm 300 ppm 20 ppm 150 ppm 100 ppm 20 ppm	Form Inhalable fraction and
Fuels, diesel (CAS 68334-30-5) Additional components  Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)  Ethylbenzene (CAS 100-41-4) Canada. Manitoba OELs (Reg. 217) Components  Fuels, diesel (CAS 68334-30-5)	TWA  Type  TWA  TWA  TWA  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	100 mg/m3  Value  200 ppm 300 ppm 20 ppm 150 ppm 100 ppm 20 ppm And Health Act) Value	Vapour and aerosol.
Components  Fuels, diesel (CAS 68334-30-5)  Additional components  Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)  Ethylbenzene (CAS 100-41-4)  Canada. Manitoba OELs (Reg. 217)  Components  Fuels, diesel (CAS 68334-30-5)  Additional components	TWA  Type  TWA  TWA  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  /2006, The Workplace Safety  Type  TWA  Type	100 mg/m3  Value  200 ppm 300 ppm 20 ppm 150 ppm 100 ppm 20 ppm  And Health Act) Value  100 mg/m3  Value	Form Inhalable fraction and
Components Fuels, diesel (CAS 68334-30-5) Additional components Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7) Ethylbenzene (CAS 100-41-4) Canada. Manitoba OELs (Reg. 217) Components Fuels, diesel (CAS 68334-30-5) Additional components Nonane (CAS 111-84-2)	TWA  Type  TWA  TWA  TWA  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  Type  TWA  Type  TWA	100 mg/m3  Value  200 ppm 300 ppm 20 ppm 150 ppm 100 ppm 20 ppm  And Health Act) Value  100 mg/m3  Value  200 ppm	Form Inhalable fraction and
Components Fuels, diesel (CAS 68334-30-5) Additional components Nonane (CAS 111-84-2) Octane (CAS 111-65-9) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7) Ethylbenzene (CAS	TWA  Type  TWA  TWA  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  /2006, The Workplace Safety  Type  TWA  Type	100 mg/m3  Value  200 ppm 300 ppm 20 ppm 150 ppm 100 ppm 20 ppm  And Health Act) Value  100 mg/m3  Value	Form Inhalable fraction and

DIESEL SDS Canada

934386 Version #: 02 Revision date: 15-March-2018 Issue date: 20-June-2017

Additional components	Туре	Value	
	TWA	100 ppm	
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	

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

Components	Туре	Value	Form
Fuels, diesel (CAS 68334-30-5)	TWA	100 mg/m3	Inhalable fraction and vapor.
Additional components	Type	Value	
Nonane (CAS 111-84-2)	TWA	200 ppm	
Octane (CAS 111-65-9)	TWA	300 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
Ethylbenzene (CAS	TWA	20 ppm	

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

Additional components	Type	Value	
Nonane (CAS 111-84-2)	TWA	1050 mg/m3	
		200 ppm	
Octane (CAS 111-65-9)	STEL	1750 mg/m3	
		375 ppm	
	TWA	1400 mg/m3	
		300 ppm	
Toluene (CAS 108-88-3)	TWA	188 mg/m3	
		50 ppm	
Xylene (CAS 1330-20-7)	STEL	651 mg/m3	
		150 ppm	
	TWA	434 mg/m3	
		100 ppm	
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3	
,		125 ppm	
	TWA	434 mg/m3	
		100 ppm	

# **Biological limit values**

**ACGIH Biological Exposure Indices** 

Additional components	Value	Determinant	Specimen	Sampling Time	
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	*	
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*	
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*	

<sup>\* -</sup> For sampling details, please see the source document.

# **Exposure guidelines**

Canada - Alberta OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

Fuels, diesel (CAS 68334-30-5)

Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

Fuels, diesel (CAS 68334-30-5)

Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

Fuels, diesel (CAS 68334-30-5)

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

Fuels, diesel (CAS 68334-30-5)

Can be absorbed through the skin.

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

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

Fuels, diesel (CAS 68334-30-5)

Can be absorbed through the skin.

Appropriate engineering

controls

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

Individual protection measures, such as personal protective equipment

**Eye/face protection** Chemical goggles are recommended.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Viton or nitrile rubber gloves are recommended.Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** Chemical respirator with organic vapour cartridge and full facepiece.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

**Appearance** 

Physical state Liquid.
Form Liquid.

Colour Clear to yellow color.

Odour Not available.
Odour threshold Not available.
pH Not available.
Melting point/freezing point Not available.

Initial boiling point and boiling

145 - 375 °C (293 - 707 °F)

range

Flash point >=  $40.0 \,^{\circ}\text{C} \ (>= 104.0 \,^{\circ}\text{F})$ 

Evaporation rate 0.2 BuAc

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

0.7 %

(%)

Flammability limit - upper 5 %

(%)

Vapour pressure 0.27 kPa at 15 deg C

Vapour densityNot available.Relative density0.78 - 0.88 g/ml

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

**Auto-ignition temperature** > 220 °C (> 428 °F)

**Decomposition temperature** Not available.

**Viscosity** 1.3 - 4.1 cSt (40 °C)

Other information

**Explosive properties** Not explosive. **Oxidising properties** Not oxidising.

# 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous Hazardous polymerisation does not occur.

Possibility of nazardous

reactions

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Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

Incompatible materials Strong oxidising agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

## 11. Toxicological information

#### Information on likely routes of exposure

**Inhalation** Harmful if inhaled. May cause damage to organs by inhalation. May cause damage to organs

through prolonged or repeated exposure by inhalation.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye irritation.

**Ingestion** Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or

vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary oedema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness

and pain. Jaundice.

# Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Harmful if inhaled.

Toxicological data

irritation

l oxicological data		
Additional components	Species	Test Results
Toluene (CAS 108-88-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	12200 mg/kg
Inhalation		
Vapour		
LC50	Rat	28.1 mg/l, 4 Hours
Xylene (CAS 1330-20-7)		
<u>Acute</u>		
Oral		
LD50	Rat	3523 mg/kg
Ethylbenzene (CAS 100-41-4)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	15400 mg/kg
Inhalation		
LC50	Rat	17.4 mg/l, 4 hours
Oral		
LD50	Rat	3500 - 4700 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye	Causes serious eye irritation.	

#### Respiratory or skin sensitisation

Canada - Alberta OELs: Irritant

Octane (CAS 111-65-9) Irritant

**Respiratory sensitisation** Not a respiratory sensitiser.

**Skin sensitisation** This product is not expected to cause skin sensitisation.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Suspected of causing cancer.

**ACGIH Carcinogens** 

Ethylbenzene (CAS 100-41-4)

A3 Confirmed animal carcinogen with unknown relevance to

humans.

Fuels, diesel (CAS 68334-30-5)

A3 Confirmed animal carcinogen with unknown relevance to

humans.

Toluene (CAS 108-88-3)

A4 Not classifiable as a human carcinogen.

Xylene (CAS 1330-20-7) A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

Ethylbenzene (CAS 100-41-4)

Confirmed animal carcinogen with unknown relevance to humans.

Fuels, diesel (CAS 68334-30-5)

Confirmed animal carcinogen with unknown relevance to humans.

Toluene (CAS 108-88-3)

Not classifiable as a human carcinogen.

Xylene (CAS 1330-20-7)

Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylbenzene (CAS 100-41-4) 2B Possibly carcinogenic to humans.

Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans. Xylene (CAS 1330-20-7) 3 Not classifiable as to carcinogenicity to humans.

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

Specific target organ toxicity -

single exposure

Causes damage to organs.

Specific target organ toxicity -

repeated exposure

May cause damage to organs (Bone Marrow, Liver, Thymus) through prolonged or repeated

exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may

be harmful.

# 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
Fuels, diesel (CAS 6833	34-30-5)		
Aquatic			
Acute			
Crustacea	EL50	Daphnia	13 mg/l, 48 Hours
Fish	LL50	Oncorhynchus mykiss	21 mg/l, 96 Hours
Additional component	s	Species	Test Results
Octane (CAS 111-65-9)			
Aquatic			
Crustacea	LC50	Daphnia magna	0.38 mg/l, 48 hours
Toluene (CAS 108-88-3	)		
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	11.5 mg/l, 48 hours
Fish	LC50	Oncorhynchus kisutch	5.5 mg/l, 96 hours
Chronic			
Crustacea	NOEC	Ceriodaphnia dubia	0.74 mg/l, 7 days
Fish	NOEC	Oncorhynchus kisutch	1.4 mg/l, 40 days

DIESEL SDS Canada

934386 Version #: 02 Revision date: 15-March-2018 Issue date: 20-June-2017

Additional components Species Test Results

Xylene (CAS 1330-20-7)

**Aquatic** 

Fish LC50 Rainbow trout, donaldson trout 2.6 mg/l, 96 hours

(Oncorhynchus mykiss)

Ethylbenzene (CAS 100-41-4)

Aquatic Acute

Crustacea EC50 Water flea (Daphnia magna) 1.81 - 2.38 mg/l, 48 hours

Fish LC50 Rainbow trout, donaldson trout

(Oncorhynchus mykiss)

Chronic

Crustacea EC50 Ceriodaphnia dubia 3.6 mg/l, 7 days

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

Bioaccumulative potential No data available.

**Mobility in soil** Expected to be mobile in soil.

Other adverse effects No data available.

13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

4.2 mg/l, 96 hours

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

TDG

UN number UN1202

UN proper shipping name DIESEL FUEL, (MARINE POLLUTANT)

Transport hazard class(es)

Class Combustible Liquid

Subsidiary risk Packing group III
Environmental hazards Yes

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

**IATA** 

UN number UN1202

UN proper shipping name Gas oil, (Marine Pollutant)

Transport hazard class(es)

Class 3
Subsidiary risk Packing group III
Environmental hazards Yes
ERG Code 3L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

**IMDG** 

UN number UN1202

UN proper shipping name DIESEL FUEL, (MARINE POLLUTANT)

Transport hazard class(es)
Class

DIESEL SDS Canada

3

Subsidiary risk - Packing group |||

**Environmental hazards** 

Marine pollutant Yes
EmS F-E, S-E

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

General information IMDG Regulated Marine Pollutant.

Not established.

# 15. Regulatory information

Canadian regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS

contains all the information required by the HPR.

#### **Controlled Drugs and Substances Act**

Not regulated.

# Export Control List (CEPA 1999, Schedule 3)

Not listed.

# **Greenhouse Gases**

Not listed.

# Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

Ethylbenzene (CAS 100-41-4) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7) Sursor Control Regulations

# **Precursor Control Regulations**

Toluene (CAS 108-88-3) Class B

#### International regulations

#### **Stockholm Convention**

Not applicable.

#### **Rotterdam Convention**

Not applicable.

## **Kyoto Protocol**

Not applicable.

# **Montreal Protocol**

Not applicable.

#### **Basel Convention**

Not applicable.

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No

Country(s) or region Inventory name On inventory (yes/no)\*

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

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**Disclaimer** Énergie Valero Inc. cannot anticipate all conditions under which this information and its product, or

the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the

sheet was written based on the best knowledge and experience currently available.

DIESEL SDS Canada

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