Natural Gasoline

Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR) , as amended by SOR/2022-272
Issue date: 07-13-2026 Version: 1.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : Natural Gasoline

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : LP Gas, Y-Grade, LPG, Raw Feed, Demthanized Raw Feed Mix
Restrictions on use : None known

1.4. Supplier's details

Supplier
Alliance Energy Services
1828 Swift St. Suite 401
North Kansas City, MO 64116
T 816-421-5192
info@allianceC3.com

Supplier
Alliance Energy Services
30 Cushman Rd
St. Catharines, ON L2M 6S8
Canada

1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)
CCN 612383
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids, Category 1	H224	Extremely flammable liquid and vapor.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Germ cell mutagenicity, Category 1B	H340	May cause genetic defects.
Carcinogenicity, Category 1A	H350	May cause cancer.
Reproductive toxicity, Category 2	H361	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.
Specific target organ toxicity, Repeated exposure, Category 1	H372	Causes damage to organs (blood, immune system) through prolonged or repeated exposure.
Specific target organ toxicity, Repeated exposure, Category 2	H373	May cause damage to organs (Auditory system, central nervous system) through prolonged or repeated exposure.
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.

Full text of H statements : see section 16

2.2. GHS label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : Extremely flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes skin irritation
May cause drowsiness or dizziness
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child
Causes damage to organs (blood, immune system) through prolonged or repeated exposure.
May cause damage to organs (Auditory system, central nervous system) through prolonged or repeated exposure.

Precautionary statements (GHS CA) : 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 equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Do not breathe spray, mist, vapors.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye and face protection.
IF SWALLOWED: Immediately call a POISON CENTER or a doctor.
Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
If skin irritation occurs: Get medical advice or attention.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or a doctor.
Get medical advice or attention if you feel unwell.
In case of fire: Use appropriate media to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Gasoline (natural gas), natural	-	CAS-No.: 68425-31-0	≤ 100	Flam. Liq. 1, H224 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304
Pentane (mixed isomers)	2-Methylbutane	CAS-No.: 78-78-4	23 – 66	Flam. Liq. 1, H224 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Hexane Isomers (other than n-Hexane)	2-Methylpentane	CAS-No.: 107-83-5	10 – 15	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Heptane (mixed isomers)	n-Heptane ; Heptane	CAS-No.: 142-82-5	7 – 13	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hexane	n-Hexane ; Hexane	CAS-No.: 110-54-3	6 – 10	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Octane	octane, n-octane	CAS-No.: 111-65-9	0.5 – 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Nonane	-	CAS-No.: 111-84-2	≤ 2.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Toluene	Toluene	CAS-No.: 108-88-3	≤ 2	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Benzene	benzene	CAS-No.: 71-43-2	0.1 – 2	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 1B, H340 Carc. 1A, H350 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Cyclopentane	Cyclopentane	CAS-No.: 287-92-3	1 – 1.5	Flam. Liq. 2, H225 Aquatic Chronic 3, H412
Ethylbenzene	Ethylbenzene	CAS-No.: 100-41-4	0.15	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapor), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304

Comments : The concentration ranges are provided due to batch-to-batch variability.

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious: Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately.

First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a physician immediately.

First-aid measures general : First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth. Call a physician immediately.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Aspiration of the product into the lungs may cause pneumonia. May cause drowsiness or dizziness. Causes damage to organs (blood, immune system) through prolonged or repeated exposure. May cause damage to organs (Auditory system, central nervous system) through prolonged or repeated exposure.

Symptoms/effects after skin contact : Irritation (itching, redness, blistering).

Symptoms/effects after eye contact : May cause eye irritation.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

Chronic symptoms : May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (blood, immune system) through prolonged or repeated exposure. May cause damage to organs (Auditory system, central nervous system) through prolonged or repeated exposure.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : IF exposed or concerned: Get medical advice/attention. Following inhalation: Subsequent observance for pneumonia and lung edema.

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Dry chemical, CO2, alcohol-resistant foam or waterspray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Extremely flammable liquid and vapor.

Explosion hazard : Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Vapors may form explosive mixture with air.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Special protective actions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. For large fire: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting devices or discoloration from tank. For a massive fire, use unmanned hose holders or monitor nozzles, or withdraw from the area and allow fire to burn. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all personal contact including breathing in the mist, spray, vapors. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Remove ignition sources. Notify authorities if product enters sewers or public waters.

Environmental precautions : Do not let the product reach soil, drains, sewers, or surface and ground water.

6.2. Methods and materials for containment and cleaning up

For containment : Contain with non-combustible inert absorbent. Stop leak, if possible without risk. Do not touch or walk on the spilled product. All equipment used when handling the product must be grounded. Reduce vapor with vapor-suppression foam. In case of large spillages: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Notify authorities if product enters sewers or public waters. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection",For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Do not breathe mist, spray, vapors. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Use explosion-proof equipment. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.
Additional hazards when processed	:	Proper grounding procedures to avoid static electricity should be followed.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container tightly closed. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Incompatible materials	:	Strong acids, strong bases and strong oxidants.
Packaging materials	:	Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Toluene (108-88-3)

Canada (Alberta) - Occupational Exposure Limits	
Local name	Toluene (Toluol)
OEL TWA	188 mg/m³
	50 ppm
Notations and remarks	Substance may be readily absorbed through intact skin.
Regulatory reference	Alberta Regulation 191/2021
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Toluene
OEL TWA	20 ppm
Notations and remarks	R (the substance has an adverse reproductive effect)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Toluene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: CNS, Hearing & Visual impair; Female repro system eff; Pregnancy loss. Notations: OTO (Ototoxicant); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Toluene

Toluene (108-88-3)	
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: CNS, Hearing & Visual impair; Female repro system eff; Pregnancy loss. Notations: OTO (Ototoxicant); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Toluene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: CNS, Hearing & Visual impair; Female repro system eff; Pregnancy loss. Notations: OTO (Ototoxicant); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Toluene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: CNS, Hearing & Visual impair; Female repro system eff; Pregnancy loss. Notations: OTO (Ototoxicant); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Toluene (toluol)
OEL TWA	50 ppm
OEL STEL	60 ppm
Notations and remarks	Skin
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
Benzene (71-43-2)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Benzene
OEL TWA	1.6 mg/m³
	0.5 ppm
OEL STEL	8 mg/m³
	2.5 ppm
Notations and remarks	Substance may be readily absorbed through intact skin. Carcinogenicity A1
Regulatory reference	Alberta Regulation 191/2021
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Benzene
OEL TWA	0.5 ppm
OEL STEL	2.5 ppm
Notations and remarks	Skin (the substance that contribute significantly to the overall exposure by the skin route); ACGIH Carcinogenicity category A1, IARC group 1 carcinogen

Benzene (71-43-2)	
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Benzene
OEL TWA	0.02 ppm
Notations and remarks	TLV® Basis: Myelodysplastic syndrome; acute myeloid leukemia; leukemia; hematologic eff; chromosomal dam. Notations: Skin; A1 (Confirmed Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Benzene
OEL TWA	0.5 ppm
OEL STEL	2.5 ppm
Notations and remarks	Leukemia
Regulatory reference	ACGIH
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Benzene
OEL TWA	0.02 ppm
Notations and remarks	TLV® Basis: Myelodysplastic syndrome; acute myeloid leukemia; leukemia; hematologic eff; chromosomal dam. Notations: Skin; A1 (Confirmed Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Benzene
OEL TWA	0.02 ppm
Notations and remarks	TLV® Basis: Myelodysplastic syndrome; acute myeloid leukemia; leukemia; hematologic eff; chromosomal dam. Notations: Skin; A1 (Confirmed Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Benzene
OEL TWA	0.02 ppm
Notations and remarks	TLV® Basis: Myelodysplastic syndrome; acute myeloid leukemia; leukemia; hematologic eff; chromosomal dam. Notations: Skin; A1 (Confirmed Human Carcinogen); BEI
Regulatory reference	ACGIH 2025

Pentane (mixed isomers) (78-78-4)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Isopentane (Pentane, all isomers)
OEL TWA	1770 mg/m³
	600 ppm
Regulatory reference	Alberta Regulation 191/2021

Pentane (mixed isomers) (78-78-4)	
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Pentane, all isomers
OEL TWA	1000 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Isopentane
OEL TWA	2950 mg/m³
	1000 ppm
Notations and remarks	TLV® Basis: Narcosis; resp tract irr
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Pentane, all isomers (1989)
OEL TWA	1000 ppm
Regulatory reference	ACGIH
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Isopentane
OEL TWA	2950 mg/m³
	1000 ppm
Notations and remarks	TLV® Basis: Narcosis; resp tract irr
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Isopentane
OEL TWA	2950 mg/m³
	1000 ppm
Notations and remarks	TLV® Basis: Narcosis; resp tract irr
Regulatory reference	ACGIH 2025
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Isopentane
OEL TWA	2950 mg/m³
	1000 ppm
Notations and remarks	TLV® Basis: Narcosis; resp tract irr
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Pentane, all isomers
OEL TWA	600 ppm
OEL STEL	750 ppm

Pentane (mixed isomers) (78-78-4)	
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
Hexane Isomers (other than n-Hexane) (107-83-5)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	2-Methylpentane (Hexane (all isomers except n-hexane, isohexane))
OEL TWA	1760 mg/m³
	500 ppm
OEL STEL	3500 mg/m³
	1000 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Hexane, all isomers except n-Hexane
OEL TWA	200 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	2-Methyl pentane
OEL TWA	200 ppm
Notations and remarks	TLV® Basis: URT irr; lung dam. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	2-Methyl pentane
OEL TWA	200 ppm
Notations and remarks	TLV® Basis: URT irr; lung dam. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	2-Methyl pentane
OEL TWA	200 ppm
Notations and remarks	TLV® Basis: URT irr; lung dam. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	2-Methyl pentane
OEL TWA	200 ppm
Notations and remarks	TLV® Basis: URT irr; lung dam. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025

Heptane (mixed isomers) (142-82-5)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Heptane, all isomers
OEL TWA	1640 mg/m³
	400 ppm
OEL STEL	2050 mg/m³
	500 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Heptane, Isomers
OEL TWA	400 ppm
OEL STEL	500 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Heptane, isomers (n-Heptane)
OEL TWA	200 ppm
OEL STEL	400 ppm
Notations and remarks	TLV® Basis: URT irr; Lung dam; CNS impair; Ototoxicity. Notations: OTO (Ototoxicant)
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Heptane, all isomers
OEL TWA	400 ppm
Regulatory reference	ACGIH
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Heptane, isomers (n-Heptane)
OEL TWA	200 ppm
OEL STEL	400 ppm
Notations and remarks	TLV® Basis: URT irr; Lung dam; CNS impair; Ototoxicity. Notations: OTO (Ototoxicant)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Heptane, isomers (n-Heptane)
OEL TWA	200 ppm
OEL STEL	400 ppm
Notations and remarks	TLV® Basis: URT irr; Lung dam; CNS impair; Ototoxicity. Notations: OTO (Ototoxicant)
Regulatory reference	ACGIH 2025
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Heptane (n-Heptane)

Heptane (mixed isomers) (142-82-5)	
OEL TWA	400 ppm
OEL STEL	500 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-124-2018) # Règlement sur la santé et la sécurité au travail R-039-2015 (R-124-2018)
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Heptane, isomers (n-Heptane)
OEL TWA	200 ppm
OEL STEL	400 ppm
Notations and remarks	TLV® Basis: URT irr; Lung dam; CNS impair; Ototoxicity. Notations: OTO (Ototoxicant)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Heptane (n-Heptane)
OEL TWA	400 ppm
OEL STEL	500 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Hexane (110-54-3)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	n-Hexane
OEL TWA	176 mg/m³
	50 ppm
Notations and remarks	Substance may be readily absorbed through intact skin.
Regulatory reference	Alberta Regulation 191/2021
Canada (British Columbia) - Occupational Exposure Limits	
Local name	n-Hexane
OEL TWA	20 ppm
Notations and remarks	Skin (the substance that contribute significantly to the overall exposure by the skin route)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	n-Hexane
OEL TWA	176 mg/m³
	50 ppm
Notations and remarks	TLV® Basis: CNS impair; Peripheral neuropathy; Eye & URT irr. Notations: Skin; BEI
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	n-Hexane
OEL TWA	176 mg/m³

Hexane (110-54-3)	
	50 ppm
Notations and remarks	TLV® Basis: CNS impair; Peripheral neuropathy; Eye & URT irr. Notations: Skin; BEI
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	n-Hexane
OEL TWA	176 mg/m³
	50 ppm
Notations and remarks	TLV® Basis: CNS impair; Peripheral neuropathy; Eye & URT irr. Notations: Skin; BEI
Regulatory reference	ACGIH 2025
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Hexane (n-Hexane)
OEL TWA	50 ppm
OEL STEL	62.5 ppm
Notations and remarks	Skin # Peau
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-124-2018) # Règlement sur la santé et la sécurité au travail R-039-2015 (R-124-2018)
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	n-Hexane
OEL TWA	176 mg/m³
	50 ppm
Notations and remarks	TLV® Basis: CNS impair; Peripheral neuropathy; Eye & URT irr. Notations: Skin; BEI
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Hexane (n-Hexane)
OEL TWA	50 ppm
OEL STEL	62.5 ppm
Notations and remarks	Skin
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Octane (111-65-9)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Octane, all isomers
OEL TWA	1400 mg/m³
	300 ppm
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021

Octane (111-65-9)	
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Octane, all isomers
OEL TWA	300 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	n-Octane
OEL TWA	1401 mg/m³
	300 ppm
Notations and remarks	TLV® Basis: URT irr
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	n-Octane
OEL TWA	1401 mg/m³
	300 ppm
Notations and remarks	TLV® Basis: URT irr
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	n-Octane
OEL TWA	1401 mg/m³
	300 ppm
Notations and remarks	TLV® Basis: URT irr
Regulatory reference	ACGIH 2025
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	n-Octane
OEL TWA	1401 mg/m³
	300 ppm
Notations and remarks	TLV® Basis: URT irr
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Octane, all isomers
OEL TWA	300 ppm
OEL STEL	375 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
Nonane (111-84-2)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Nonane, all isomers

Nonane (111-84-2)	
OEL TWA	1050 mg/m³
	200 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Nonane
OEL TWA	200 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Nonane
OEL TWA	1048 mg/m³
	200 ppm
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Nonane
OEL TWA	1048 mg/m³
	200 ppm
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Nonane
OEL TWA	1048 mg/m³
	200 ppm
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2025
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Nonane
OEL TWA	1048 mg/m³
	200 ppm
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Nonane, all isomers
OEL TWA	200 ppm
OEL STEL	250 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Cyclopentane (287-92-3)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Cyclopentane
OEL TWA	1720 mg/m³
	600 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Cyclopentane
OEL TWA	600 ppm
Notations and remarks	EX (the substance is a flammable asphyxiant or excursions above the exposure limit could approach 10% of the lower explosive limit)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Cyclopentane
OEL TWA	1000 ppm (EX - Explosion hazard)
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Cyclopentane
OEL TWA	600 ppm
Notations and remarks	URT, eye, & skin irr; CNS impair
Regulatory reference	ACGIH
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Cyclopentane
OEL TWA	1000 ppm (EX - Explosion hazard)
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Cyclopentane
OEL TWA	1000 ppm (EX - Explosion hazard)
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2025
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Cyclopentane
OEL TWA	600 ppm
OEL STEL	900 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-124-2018) # Règlement sur la santé et la sécurité au travail R-039-2015 (R-124-2018)

Cyclopentane (287-92-3)	
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Cyclopentane
OEL TWA	1000 ppm (EX - Explosion hazard)
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Cyclopentane
OEL TWA	600 ppm
OEL STEL	900 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Ethylbenzene (100-41-4)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	434 mg/m³
	100 ppm
OEL STEL	543 mg/m³
	125 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Ethylbenzene
OEL TWA	20 ppm
Notations and remarks	IARC group 2B carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & Eye irr; Kidney eff; Ototoxicity; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & Eye irr; Kidney eff; Ototoxicity; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025

Ethylbenzene (100-41-4)	
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & Eye irr; Kidney eff; Ototoxicity; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & Eye irr; Kidney eff; Ototoxicity; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	100 ppm
OEL STEL	125 ppm
Notations and remarks	Designated Chemical Substance
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

Hand protection:
Wear protective gloves

Eye protection:
Wear safety glasses which protect from splashes

Skin and body protection:
Wear fire/flame resistant/retardant clothing. Chemical-resistant protective suit. Chemical resistant safety shoes.

Respiratory protection:
Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA compliant respiratory protection program.

Personal protective equipment symbol(s):

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	No data available
Color	:	Colorless
Odor	:	Hydrocarbon
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	23 – 205 °C / 74 - 402 °F
Flash point	:	≤ -17.8 °C / ≤ 0 °F
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Extremely flammable liquid and vapor
Vapor pressure	:	3.4-15.3 psi @ 37.78 °C / 100 °F
Relative vapor density at 20°C	:	3 – 4
Relative density	:	0.65 – 0.73
Solubility	:	Negligible.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Explosion limits	:	Lower explosion limit: 1.4 Upper explosion limit: 7.6
Particle characteristics	:	No data available

Gasoline (natural gas), natural	
Particle characteristics	No data available

Toluene	
Particle characteristics	No data available

Benzene	
Particle characteristics	No data available

Pentane (mixed isomers)	
Particle characteristics	No data available

Hexane Isomers (other than n-Hexane)	
Particle characteristics	No data available

Heptane (mixed isomers)	
Particle characteristics	No data available

Hexane	
Particle characteristics	No data available

Octane	
Particle characteristics	No data available

Nonane	
Particle characteristics	No data available

Cyclopentane	
Particle characteristics	No data available

Ethylbenzene	
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity : Extremely flammable liquid and vapor.

Chemical stability : Stable under normal conditions of use.

Possibility of hazardous reactions : Vapors may form explosive mixture with air.

Conditions to avoid : Avoid contact with hot surfaces. Heat. Direct sunlight. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

Incompatible materials : Strong acids, strong bases and strong oxidants.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon dioxide. Carbon monoxide.

Hardening time: : No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified.

Toluene	
LD50 oral rat	5580 mg/kg body weight

Toluene	
LD50 dermal rabbit	> 5000 mg/kg body weight
LC50 Inhalation - Rat	12.5 mg/l
Benzene	
LD50 oral rat	> 2000 mg/kg body weight
LD50 dermal rat	> 5000 mg/kg body weight
LC50 Inhalation - Rat	43.767 mg/l/4h
Pentane (mixed isomers)	
LD50 oral rat	> 2000 mg/kg body weight
LD50 oral	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 25.3 mg/l air
Hexane Isomers (other than n-Hexane)	
LD50 oral rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat (Vapors)	> 20 mg/l
Heptane (mixed isomers)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	103 mg/m³
LC50 Inhalation - Rat (Vapors)	25132 ppmv
Hexane	
LD50 oral rat	24 ml/kg
LD50 dermal rabbit	> 3350 mg/kg
LC50 Inhalation - Rat (Vapors)	259.354 mg/l
Octane	
LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 24.88 mg/l air
Nonane	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 Inhalation - Rat	17 mg/l air
Cyclopentane	
LD50 oral rat	> 5000 mg/kg
LD50 oral	5000 mg/kg
LC50 Inhalation - Rat	> 25.3 mg/l air

Cyclopentane	
LC50 Inhalation - Rat (Vapors)	> 25.3 mg/l

Ethylbenzene	
LD50 oral rat	≈ 3500 mg/kg body weight
LD50 dermal rabbit	15400
LC50 Inhalation - Rat (Vapors)	17.4 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.

Nonane	
Skin corrosion/irritation, rabbit	Irritating to rabbits on cutaneous application

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : May cause cancer.

Toluene	
IARC group	3 - Not classifiable

Benzene	
LOAEC, Inhalation, mouse	960 mg/m³
LOAEL, Oral, rat	25 mg/kg bw/day
IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	Known Human Carcinogens

Ethylbenzene	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Toluene	
LOAEL (animal/female, F0/P)	520 mg/kg body weight

STOT-single exposure : May cause drowsiness or dizziness.

Gasoline (natural gas), natural	
STOT-single exposure	May cause drowsiness or dizziness.

Toluene	
STOT-single exposure	May cause drowsiness or dizziness.

Pentane (mixed isomers)	
STOT-single exposure	May cause drowsiness or dizziness.

Hexane Isomers (other than n-Hexane)	
STOT-single exposure	May cause drowsiness or dizziness.

Heptane (mixed isomers)	
STOT-single exposure	May cause drowsiness or dizziness.

Hexane	
STOT-single exposure	May cause drowsiness or dizziness.
Octane	
STOT-single exposure	May cause drowsiness or dizziness.
Nonane	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Causes damage to organs (blood, immune system) through prolonged or repeated exposure. May cause damage to organs (Auditory system, central nervous system) through prolonged or repeated exposure.

Toluene	
LOAEL (oral,rat,90 days)	1250 mg/kg body weight
NOAEL (oral,rat,90 days)	625 mg/kg body weight
NOAEC (inhalation,rat,vapor,90 days)	2.355 mg/l air
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure. Not classified.
Benzene	
NOAEL (oral,rat,90 days)	100 mg/kg body weight
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Pentane (mixed isomers)	
NOAEC (inhalation,rat,vapor,90 days)	30 mg/l air
Heptane (mixed isomers)	
LOAEC (inhalation,rat,vapor,90 days)	16.6 mg/l air
NOAEC (inhalation,rat,vapor,90 days)	3.3 mg/l air
Hexane	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Octane	
NOAEC (inhalation,rat,vapor,90 days)	24.3 mg/l air
Nonane	
NOAEL (oral,rat,90 days)	100 mg/kg body weight
NOAEC (inhalation,rat,vapor,90 days)	24.3 mg/l air
NOAEL (subchronic,oral,animal/male,90 days)	100 mg/kg body weight
Cyclopentane	
NOAEC (inhalation,rat,vapor,90 days)	30 mg/l air
Ethylbenzene	
NOAEL (oral,rat,90 days)	75 mg/kg body weight
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

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

Benzene	
Viscosity, kinematic	0.689 mm²/s
Hexane Isomers (other than n-Hexane)	
Viscosity, kinematic	0.426 mm²/s
Heptane (mixed isomers)	
Viscosity, kinematic	0.641 mm²/s 20 °C
Octane	
Viscosity, kinematic	0.801 mm²/s 20°C
Nonane	
Viscosity, kinematic	1.008 mm²/s
Cyclopentane	
Viscosity, kinematic	0.587 mm²/s
Ethylbenzene	
Viscosity, kinematic	0.6 mm²/s

Symptoms/effects after inhalation : Aspiration of the product into the lungs may cause pneumonia. May cause drowsiness or dizziness. Causes damage to organs (blood, immune system) through prolonged or repeated exposure. May cause damage to organs (Auditory system, central nervous system) through prolonged or repeated exposure.

Symptoms/effects after skin contact : Irritation (itching, redness, blistering).

Symptoms/effects after eye contact : May cause eye irritation.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

Chronic symptoms : May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (blood, immune system) through prolonged or repeated exposure. May cause damage to organs (Auditory system, central nervous system) through prolonged or repeated exposure.

SECTION 12 Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Very toxic to aquatic life

Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects

Toluene	
LC50 - Fish [1]	5.5 mg/l
NOEC chronic fish	1.39 mg/l
NOEC chronic crustacea	0.74 mg/l
LOEC (chronic)	2.76 mg/l
Benzene	
LC50 - Fish [1]	5.3 mg/l
EC50 - Crustacea [1]	18 mg/l

Benzene	
ErC50 algae	29 mg/l
EC50 72h - Algae [1]	32 mg/l
EC50 72h - Algae [2]	100 mg/l
NOEC chronic fish	0.8 mg/l
LOEC (chronic)	1.6 mg/l (32 days, lethality)
Pentane (mixed isomers)	
EC50 - Crustacea [1]	2.3 mg/l
NOEC chronic algae	2.04 mg/l
Hexane Isomers (other than n-Hexane)	
LC50 - Fish [1]	4.656 mg/l
EC50 96h - Algae [1]	3.635 mg/l
Heptane (mixed isomers)	
LC50 - Fish [1]	5.738 mg/l
EC50 - Crustacea [1]	0.1 mg/l
NOEC (chronic)	0.17 mg/l
LOEC (chronic)	0.32 mg/l
Hexane	
LC50 - Fish [1]	> 1 mg/l
EC50 - Crustacea [1]	3.9 mg/l
Octane	
EC50 - Crustacea [1]	0.3 mg/l
NOEC (chronic)	0.17 mg/l
LOEC (chronic)	0.32 mg/l
Nonane	
EC50 - Crustacea [1]	0.2 mg/l
NOEC (chronic)	0.17 mg/l
LOEC (chronic)	0.32 mg/l
Cyclopentane	
LC50 - Fish [1]	4.26 mg/l
EC50 - Crustacea [1]	10.5 mg/l
EC50 96h - Algae [1]	3.415 mg/l
Ethylbenzene	
LC50 - Fish [1]	5.1 mg/l
EC50 72h - Algae [1]	5.4 mg/l

Ethylbenzene	
EC50 72h - Algae [2]	4.9 mg/l
EC50 96h - Algae [1]	3.6 mg/l
EC50 96h - Algae [2]	7.7 mg/l
NOEC (chronic)	0.96 mg/l
LOEC (chronic)	1.7 mg/l

12.2. Persistence and degradability

Natural Gasoline	
Persistence and degradability	Not established.

Gasoline (natural gas), natural	
Persistence and degradability	Not rapidly degradable

Toluene	
Persistence and degradability	Rapidly degradable

Benzene	
Persistence and degradability	Not rapidly degradable

Pentane (mixed isomers)	
Persistence and degradability	Rapidly degradable

Hexane Isomers (other than n-Hexane)	
Persistence and degradability	Not rapidly degradable

Heptane (mixed isomers)	
Persistence and degradability	Rapidly degradable

Hexane	
Persistence and degradability	Rapidly degradable

Octane	
Persistence and degradability	Not rapidly degradable

Nonane	
Persistence and degradability	Not rapidly degradable

Cyclopentane	
Persistence and degradability	Not rapidly degradable

Ethylbenzene	
Persistence and degradability	79 % biodegradation Readily biodegradable.

12.3. Bioaccumulative potential

Hexane Isomers (other than n-Hexane)	
Partition coefficient n-octanol/water (Log Pow)	3.21

Heptane (mixed isomers)	
Partition coefficient n-octanol/water (Log Pow)	4.66
Hexane	
Partition coefficient n-octanol/water (Log Pow)	3.9
Cyclopentane	
Partition coefficient n-octanol/water (Log Pow)	3

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.

Additional information : Flammable vapors may accumulate in the container. Do not re-use empty containers.

Ecological waste information : Avoid release to the environment.

SECTION 14 Transport information

In accordance with TDG / IMDG / IATA

TDG	IMDG	IATA
14.1. UN Number		
UN1203	1203	1203
14.2. UN Proper Shipping Name		
GASOLINE	GASOLINE	Gasoline
14.3. Transport hazard class(es)		
3	3	3
		
14.4. Packing group, if applicable		
II	II	II

TDG	IMDG	IATA
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available		

14.6. Special precautions for user

TDG

UN-No. (TDG)	:	UN1203
TDG Special Provisions	:	17 - These dangerous goods may be handled, offered for transport or transported under the UN number and shipping name UN1268, PETROLEUM DISTILLATES, N.O.S, PETROLEUM PRODUCTS N.O.S, DISTILLATS DE PÉTROLE, N.S.A. or PRODUITS PÉTROLIERS, N.S.A,88 - Despite the quantity limits in column 9 of Schedule 1 for these dangerous goods, a road vehicle is not a passenger carrying road vehicle unless the passengers in it are transported for hire or reward,98 - If these dangerous goods are composed of more than 10% ethanol, they must be transported under UN3475, ETHANOL AND gASOLINE MIXTURE,150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan).
Explosive Limit and Limited Quantity Index	:	30 L
Excepted quantities (TDG)	:	E2
Passenger Carrying Vessel Index	:	100 L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	5 L
Emergency Response Guide (ERG) Number	:	128

IMDG

Special provision (IMDG)	:	243
Limited quantities (IMDG)	:	1 L
Excepted quantities (IMDG)	:	E2
Packing instructions (IMDG)	:	P001
IBC packing instructions (IMDG)	:	IBC02
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1
EmS-No. (Fire)	:	F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	:	S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	:	E
Properties and observations (IMDG)	:	Immiscible with water.

IATA

PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y341
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	353
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	364
CAO max net quantity (IATA)	:	60L
ERG code (IATA)	:	3H

14.7. Transport in bulk according to Annex II of MARPOL 73/78[9] and the IBC Code[10]

Not applicable

SECTION 15 Regulatory information

Gasoline (natural gas), natural (68425-31-0)

Listed on the Canadian DSL (Domestic Substances List)

Toluene (108-88-3)

Listed on the Canadian DSL (Domestic Substances List)

Benzene (71-43-2)

Listed on the Canadian DSL (Domestic Substances List)

Pentane (mixed isomers) (78-78-4)

Listed on the Canadian DSL (Domestic Substances List)

Hexane Isomers (other than n-Hexane) (107-83-5)

Listed on the Canadian DSL (Domestic Substances List)

Heptane (mixed isomers) (142-82-5)

Listed on the Canadian DSL (Domestic Substances List)

Hexane (110-54-3)

Listed on the Canadian DSL (Domestic Substances List)

Octane (111-65-9)

Listed on the Canadian DSL (Domestic Substances List)

Canada DSL & NDSL Flags	Significant New Activity (SNAc) provisions of the Act apply

Nonane (111-84-2)

Listed on the Canadian DSL (Domestic Substances List)

Cyclopentane (287-92-3)

Listed on the Canadian DSL (Domestic Substances List)

Ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List)

Gasoline (natural gas), natural (68425-31-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Toluene (108-88-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Benzene (71-43-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Pentane (mixed isomers) (78-78-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Hexane Isomers (other than n-Hexane) (107-83-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Heptane (mixed isomers) (142-82-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Hexane (110-54-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Octane (111-65-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Nonane (111-84-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Cyclopentane (287-92-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Ethylbenzene (100-41-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16 Other Information

Issue date : 07-13-2026

Full text of hazard classes and H-statements:	
H224	Extremely flammable liquid and vapor
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H340	May cause genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.