

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Natural Gas
 Product form : Mixtures

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

PDC Energy Inc.
 1775 Sherman St. #3000
 Denver, CO 80203
 1-303-860-5800

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

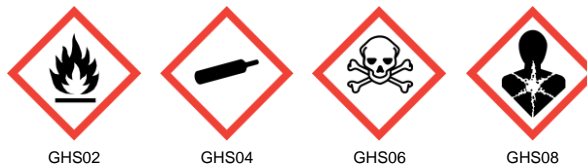
GHS-US classification

Simple Asphy	H380
Flam. Gas 1	H220
Press. Gas (Liq.)	H280
Acute Tox. 2 (Inhalation)	H330
Muta. 1B	H340
Carc. 1A	H350
Repr. 2	H361
STOT RE 2	H373

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H220 - Extremely flammable gas
 H280 - Contains gas under pressure; may explode if heated
 H330 - Fatal if inhaled
 H340 - May cause genetic defects
 H350 - May cause cancer
 H361 - Suspected of damaging fertility or the unborn child
 H373 - May cause damage to organs (nervous system) through prolonged or repeated exposure (Inhalation)
 H380 - May displace oxygen and cause rapid suffocation

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood
 P210 - Keep away from heat, open flames, sparks. - No smoking
 P260 - Do not breathe gas
 P271 - Use only outdoors or in a well-ventilated area
 P280 - Wear eye protection, protective clothing, protective gloves
 P284 - [In case of inadequate ventilation] wear respiratory protection
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
 P308+P313 - If exposed or concerned: Get medical advice/attention
 P310 - Immediately call a doctor, a POISON CENTER
 P314 - Get medical advice/attention if you feel unwell
 P320 - Specific treatment is urgent (see first aid instructions on this label)
 P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely
 P381 - Eliminate all ignition sources if safe to do so
 P403 - Store in a well-ventilated place
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed
 P405 - Store locked up
 P410+P403 - Protect from sunlight. Store in a well-ventilated place
 P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

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2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Methane (as compressed gas)	(CAS-No.) 74-82-8	40 - 70*
Carbon Dioxide (as compressed gas)	(CAS-No.) 124-38-9	10 - 30*
Ethane	(CAS-No.) 74-84-0	10 - 30*
Propane	(CAS-No.) 74-98-6	7 - 13*
Nitrogen	(CAS-No.) 7727-37-9	5 - 10*
Butane	(CAS-No.) 106-97-8	3 - 7*
Isobutane	(CAS-No.) 75-28-5	1 - 5*
Isopentane	(CAS-No.) 78-78-4	1 - 5*
Pentane	(CAS-No.) 109-66-0	1 - 5*
Benzene	(CAS-No.) 71-43-2	1 - 5*
Cyclohexane	(CAS-No.) 110-82-7	1 - 5*
Methylcyclohexane	(CAS-No.) 108-87-2	1 - 5*
Hexane	(CAS-No.) 110-54-3	0.5 - 1.5*
Toluene	(CAS-No.) 108-88-3	0.5 - 1.5*
n-Heptane	(CAS-No.) 142-82-5	0.5 - 1.5*
Neopentane	(CAS-No.) 463-82-1	0.5 - 1.5*
Hydrogen sulfide	(CAS-No.) 7783-06-4	<= 1**
Xylenes (o-, m-, p- isomers)	(CAS-No.) 1330-20-7	0.1 - 1*
Octane	(CAS-No.) 111-65-9	0.1 - 1*
2-Methylhexane	(CAS-No.) 591-76-4	0.1 - 1*
3-Methylhexane	(CAS-No.) 589-34-4	0.1 - 1*

*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret

** Testing has shown these substance to be typically present in levels much less than 1% for classification. This information is provided for completeness.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.
First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.
First-aid measures after eye contact	: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Fatal if inhaled. May displace oxygen and cause rapid suffocation. May cause genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure.
Symptoms/effects after inhalation	: Fatal if inhaled. May displace oxygen and cause rapid suffocation.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Direct contact with eyes is likely to be irritating.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: May cause genetic defects. May cause cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. carbon dioxide (CO₂). Water spray.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable gas.
Explosion hazard : Contains gas under pressure; may explode if heated.
Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Gas fires should not be extinguished unless flow of gas can be immediately stopped. Shut off gas source and allow gas to burn out. If spill or leak has not ignited, determine if water spray may assist in dispersing gas or vapor to protect personnel attempting to stop leak. Use water to cool equipment, surfaces and containers exposed to fire and excessive heat. For large fire the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Isolate area, particularly around ends of storage vessels. Let vessel, tank car or container burn unless leak can be stopped. Withdraw immediately in the event of a rising sound from a venting safety device. Large fires typically require specially trained personnel and equipment to isolate and extinguish the fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including NIOSH- approved pressure-demand self-contained breathing apparatus with full face-piece and full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop the source of the release, if safe to do so. Evacuate area. Keep upwind. Ventilate area. Releases should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so.
Methods for cleaning up : Exclude sources of ignition and ventilate the area. Ground equipment electrically. Use explosion-proof equipment.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Provide good ventilation in process area to prevent formation of vapor. Do not breathe gas. Natural gas can contain toxic and deadly concentrations of H₂S. Avoid contact with skin, eyes and clothing. If H₂S is encountered, review the Safety Data Sheet for proper handling instructions of Hydrogen Sulfide. Keep away from sources of ignition - No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store in a dry place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrogen sulfide (7783-06-4)	
ACGIH TWA (ppm)	1 ppm
ACGIH STEL (ppm)	5 ppm
OSHA PEL (Ceiling) (ppm)	20 ppm

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Carbon Dioxide (as compressed gas) (124-38-9)	
ACGIH TWA (ppm)	5000 ppm
ACGIH STEL (ppm)	30000 ppm
Remark (ACGIH)	Asphyxia
OSHA PEL (TWA) (mg/m ³)	9000
OSHA PEL (TWA) (ppm)	5000
OSHA PEL (STEL) (mg/m ³)	54000 mg/m ³
OSHA PEL (STEL) (ppm)	30000
Methane (as compressed gas) (74-82-8)	
Remark (ACGIH)	Asphyxia (See Appendix F: Minimal Oxygen Content)
Remark (OSHA)	OELs not established
Ethane (74-84-0)	
ACGIH TWA (ppm)	1000 ppm Aliphatic hydrocarbon gases: Alkane C1-4
Remark (OSHA)	OELs not established
Propane (74-98-6)	
Remark (ACGIH)	See Appendix F: Minimal Oxygen Content
OSHA PEL (TWA) (mg/m ³)	1800 mg/m ³
OSHA PEL (TWA) (ppm)	1000 ppm
Isobutane (75-28-5)	
ACGIH STEL (ppm)	1000 ppm
Remark (OSHA)	OELs not established
Butane (106-97-8)	
ACGIH STEL (ppm)	1000 ppm
OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
OSHA PEL (TWA) (ppm)	800 ppm
Isopentane (78-78-4)	
ACGIH TWA (ppm)	600 ppm (listed under Pentane, all isomers)
Remark (OSHA)	OELs not established
Pentane (109-66-0)	
ACGIH TWA (ppm)	600 ppm (listed under Pentane, all isomers)
OSHA PEL (TWA) (mg/m ³)	2950 mg/m ³
OSHA PEL (TWA) (ppm)	1000 ppm
Hexane (110-54-3)	
ACGIH TWA (ppm)	50 ppm
OSHA PEL (TWA) (mg/m ³)	1800 mg/m ³
OSHA PEL (TWA) (ppm)	500 ppm
Benzene (71-43-2)	
ACGIH TWA (ppm)	0.5 ppm
ACGIH STEL (ppm)	2.5 ppm
OSHA PEL (TWA) (ppm)	1 ppm
OSHA PEL (STEL) (ppm)	5 ppm (see 29 CFR 1910.1028)
OSHA PEL (Ceiling) (ppm)	25 ppm
Cyclohexane (110-82-7)	
ACGIH TWA (ppm)	100 ppm
OSHA PEL (TWA) (mg/m ³)	1050 mg/m ³
OSHA PEL (TWA) (ppm)	300 ppm
n-Heptane (142-82-5)	
ACGIH TWA (ppm)	400 ppm
ACGIH STEL (ppm)	500 ppm (listed under Heptane, all isomers)
OSHA PEL (TWA) (mg/m ³)	2000 mg/m ³
OSHA PEL (TWA) (ppm)	500 ppm

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n-Heptane (142-82-5)	
OSHA PEL (STEL) (mg/m ³)	2000 mg/m ³
OSHA PEL (STEL) (ppm)	500 ppm
Methylcyclohexane (108-87-2)	
ACGIH TWA (ppm)	400 ppm
OSHA PEL (TWA) (mg/m ³)	2000 mg/m ³
OSHA PEL (TWA) (ppm)	500 ppm
Toluene (108-88-3)	
ACGIH TWA (ppm)	20 ppm
Remark (ACGIH)	Visual impair; female repro;
Octane (111-65-9)	
ACGIH TWA (ppm)	300 ppm
OSHA PEL (TWA) (mg/m ³)	2350 mg/m ³
OSHA PEL (TWA) (ppm)	500 ppm
OSHA PEL (STEL) (mg/m ³)	1800 mg/m ³ Vacated
OSHA PEL (STEL) (ppm)	375 ppm Vacated
Xylenes (o-, m-, p- isomers) (1330-20-7)	
ACGIH TWA (mg/m ³)	221 mg/m ³
ACGIH TWA (ppm)	50 ppm
ACGIH STEL (mg/m ³)	442 mg/m ³
ACGIH STEL (ppm)	100 ppm
OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
OSHA PEL (TWA) (ppm)	100 ppm
OSHA PEL (STEL) (mg/m ³)	655 mg/m ³
OSHA PEL (STEL) (ppm)	150 ppm
2-Methylhexane (591-76-4)	
ACGIH TWA (ppm)	400 ppm (listed under Heptane, all isomers)
ACGIH STEL (ppm)	500 ppm (listed under Heptane, all isomers)
Remark (ACGIH)	CNS impairment; upper respiratory tract irritation
Remark (OSHA)	OELs not established
3-Methylhexane (589-34-4)	
ACGIH TWA (ppm)	400 ppm (listed under Heptane, all isomers)
ACGIH STEL (ppm)	500 ppm (listed under Heptane, all isomers)
Remark (ACGIH)	CNS impairment; upper respiratory tract irritation
Neopentane (463-82-1)	
ACGIH TWA (ppm)	1000 ppm
Remark (OSHA)	OELs not established
Nitrogen (7727-37-9)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

: Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.



Hand protection

: Use cold-impervious, insulating gloves where contact with pressurized gas may occur.

Eye protection

: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection

: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

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Respiratory protection : Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Gas
Color : No data available
Odor : Characteristic. Hydrocarbon.
Odor Threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : 31.8 °C (89.2 °F) ASTM D-86
Flash point : < 10 °C (50 °F) ASTM D-7236
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : 6.1 - 8.89 psi (Typical)
Relative vapour density at 20 °C : No data available
Relative density : 0.7721 (Water = 1)
Solubility : No data available
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Ignition sources. Heat. Open flame. Sparks.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Inhalation: Fatal if inhaled.

Carbon Dioxide (as compressed gas) (124-38-9)

LD50 oral rat	Study technically not feasible
LD50 dermal rat	Study technically not feasible
LC50 inhalation rat (mg/l)	Not classified

Methane (as compressed gas) (74-82-8)

LD50 oral rat	Study technically not feasible
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Methane (as compressed gas) (74-82-8)	
LD50 dermal rat	Study technically not feasible
LC50 inhalation rat (mg/l)	Not classified
Ethane (74-84-0)	
LC50 inhalation rat (mg/l)	658 mg/l/4h (Source: IUCLID)
Propane (74-98-6)	
LC50 inhalation rat (mg/l)	658 mg/l/4h
Isobutane (75-28-5)	
LC50 inhalation rat (mg/l)	658 mg/l/4h
Butane (106-97-8)	
LC50 inhalation rat (mg/l)	658 g/m ³ 4 h; (Source: NLM_CIP)
Isopentane (78-78-4)	
LC50 inhalation rat (mg/l)	280000 mg/m ³ 4 h
Pentane (109-66-0)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (mg/l)	364 g/m ³ 4 h
Hexane (110-54-3)	
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (ppm)	48000 ppm/4h
Benzene (71-43-2)	
LD50 dermal rabbit	> 8200 mg/kg
LC50 inhalation rat (mg/l)	44.66 mg/l/4h (vapor)
Cyclohexane (110-82-7)	
LD50 oral rat	12705 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	13.9 mg/l/4h
n-Heptane (142-82-5)	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (mg/l)	103 g/m ³ 4h
Methylcyclohexane (108-87-2)	
LD50 oral rat	> 3200 mg/kg
LD50 dermal rabbit	> 86700 mg/kg
Toluene (108-88-3)	
LD50 oral rat	2600 mg/kg
LD50 dermal rabbit	12000 mg/kg
LC50 inhalation rat (mg/l)	12.5 mg/l/4h
Octane (111-65-9)	
LC50 inhalation rat (mg/l)	118 g/m ³ 4 h
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	3500 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer.
Benzene (71-43-2)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure)	: Not classified.
Specific target organ toxicity (repeated exposure)	: May cause damage to organs (nervous system) through prolonged or repeated exposure (Inhalation).
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: Fatal if inhaled. May displace oxygen and cause rapid suffocation.

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Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Direct contact with eyes is likely to be irritating.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: May cause genetic defects. May cause cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Hexane (110-54-3)

LC50 fish 1	2.1 - 2.98 mg/l 96 Hr LC50 Pimephales promelas [flow-through]
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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

In accordance with DOT

Transport document description	: UN1971 Natural gas, compressed, 2.1
UN-No.(DOT)	: 1971
DOT NA no.	: UN1971
Proper Shipping Name (DOT)	: Natural gas, compressed
Class (DOT)	: 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
Hazard labels (DOT)	: 2.1 - Flammable gas



DOT Quantity Limitations Passenger aircraft/rail : Forbidden
(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 150 kg
CFR 175.75)

DOT Vessel Stowage Location : E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded

DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

Additional information

Emergency Response Guide (ERG) Number : 115

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

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SECTION 15: Regulatory information

15.1. US Federal regulations

Natural Gas	
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt All chemical substances in this product are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or are exempt	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Fire hazard
Methane (as compressed gas) (74-82-8)	
Section 313	Listed on US SARA Section 313
Ethane (74-84-0)	
Section 313	Listed on US SARA Section 313
Propane (74-98-6)	
Section 313	Listed on US SARA Section 313
Isobutane (75-28-5)	
Section 313	Listed on US SARA Section 313
Butane (106-97-8)	
Section 313	Listed on US SARA Section 313
Neopentane (463-82-1)	
Section 313	Listed on US SARA Section 313
Hexane (110-54-3)	
CERCLA RQ	5000 lb
Section 313	Listed on US SARA Section 313
Benzene (71-43-2)	
CERCLA RQ	10 lb
Section 313	Listed on US SARA Section 313
Cyclohexane (110-82-7)	
CERCLA RQ	1000 lb
Section 313	Listed on US SARA Section 313

15.2. International regulations

CANADA

Crude Oil
All chemical substances in this product are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or are exempt

15.3. US State regulations

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

Benzene (71-43-2)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL) Maximum allowable dose level (MADL)
Yes	Yes	No	Yes	13 (inhalation) 6.4 (oral) µg/day 49 (inhalation) 24 (oral) µg/day
Toluene (108-88-3)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Maximum allowable dose level (MADL)
No	Yes	No	No	7000 µg/day

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Hydrogen sulfide (7783-06-4) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Carbon Dioxide (as compressed gas) (124-38-9) U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Methane (as compressed gas) (74-82-8) U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Ethane (74-84-0) U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List
Propane (74-98-6) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Isobutane (75-28-5) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Butane (106-97-8) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Isopentane (78-78-4) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Pentane (109-66-0) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Hexane (110-54-3) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Benzene (71-43-2) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Cyclohexane (110-82-7) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
n-Heptane (142-82-5) U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List

Natural Gas

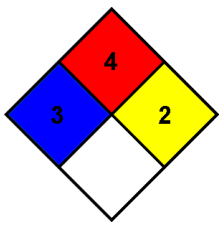
Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Methylcyclohexane (108-87-2) U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List
Toluene (108-88-3) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List
Octane (111-65-9) U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List
Xylenes (o-, m-, p- isomers) (1330-20-7) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
2-Methylhexane (591-76-4) U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List
3-Methylhexane (589-34-4) U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List
Methylcyclopentane (96-37-7) U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List
Neopentane (463-82-1) U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List
Petroleum distillates (naphtha) (8002-05-9) U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Indication of changes	: Revision 1.0: New SDS Created.
Revision date	: 06/07/2017
Other information	: Author: BCS.
NFPA health hazard	: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.
NFPA fire hazard	: 4 - Materials that rapidly or completely vaporize at atmospheric pressure and normal ambient temperature or that are readily dispersed in air and burn readily.
NFPA reactivity	: 2 - Materials that readily undergo violent chemical change at elevated temperatures and pressures.



Hazard Rating	
Health	: 3
Flammability	: 4
Physical	: 2
Personal protection	:

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