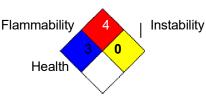
SAFETY DATA SHEET Methane Refrigerated Liquid

	1. PRODUCT AND COMPANY IDENTIFICATION
Product Code:	00016
Product Name:	Methane
	Refrigerated Liquid
Company Name:	Gas Innovations
	18005 E. Hwy 225 La Porte, TX 77571
Web site address:	www.gasinnovations.com Phone Number: +1 (281)471-2200
Emergency Contact:	3E (within United States) +1 (866)303-2640
Information:	Infotrac (outside of United States) +1 (352)323-3500
Product Category:	Refrigerated gas
Intended Use:	Industrial Use
Synonyms:	UN 1971 Methane Refrigerated Liquid.
	2. HAZARDS IDENTIFICATION
Flammable Gases:	Category 1A
Gas Under Pressure:	Refrigerated Liquefied gas
Symbol:	
-	Danger
GHS Signal Word:	Danger H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated.
-	H220 - Extremely flammable gas.
GHS Signal Word:	H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated.
GHS Signal Word:	H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases.
GHS Signal Word: GHS Hazard Phrases:	H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases:	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas. P315 - Get immediate medical advice/attention.
Symbol: GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response Phrases:	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas. P315 - Get immediate medical advice/attention. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response Phrases:	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas. P315 - Get immediate medical advice/attention. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 - Eliminate all ignition sources if safe to do so.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response Phrases: GHS Storage and	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas. P315 - Get immediate medical advice/attention. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 - Eliminate all ignition sources if safe to do so. P410 + P403 - Protect from sunlight. Store in a well-ventilated place.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response Phrases:	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas. P315 - Get immediate medical advice/attention. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 - Eliminate all ignition sources if safe to do so. P410 + P403 - Protect from sunlight. Store in a well-ventilated place. P233 - Keep container tightly closed.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response Phrases: GHS Storage and	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas. P315 - Get immediate medical advice/attention. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 - Eliminate all ignition sources if safe to do so. P410 + P403 - Protect from sunlight. Store in a well-ventilated place. P233 - Keep container tightly closed. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipmed
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response Phrases: GHS Storage and	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas. P315 - Get immediate medical advice/attention. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 - Eliminate all ignition sources if safe to do so. P410 + P403 - Protect from sunlight. Store in a well-ventilated place. P233 - Keep container tightly closed. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipmer P243 - Take action to prevent static discharges.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response Phrases: GHS Storage and Disposal Phrases:	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas. P315 - Get immediate medical advice/attention. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P338 - Eliminate all ignition sources if safe to do so. P410 + P403 - Protect from sunlight. Store in a well-ventilated place. P233 - Keep container tightly closed. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipmer P243 - Take action to prevent static discharges. Use a back flow preventative device in the piping.
GHS Signal Word: GHS Hazard Phrases: GHS Precaution Phrases: GHS Response Phrases: GHS Storage and Disposal Phrases: Additional	 H220 - Extremely flammable gas. H280 - Contains gas under pressure; may explode if heated. H261 - In contact with water releases flammable gases. P101 - If medical advice is needed, have a product container or label at hand. P102 - Keep out of reach of children. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P282 - Wear cold insulating gloves/face shield/eye protection. P336 - Thaw frosted parts with lukewarm water. Do not rub affected areas. P315 - Get immediate medical advice/attention. P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 - Eliminate all ignition sources if safe to do so. P410 + P403 - Protect from sunlight. Store in a well-ventilated place. P233 - Keep container tightly closed. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipmer P243 - Take action to prevent static discharges.

SAFETY DATA SHEET Methane Refrigerated Liquid

Hazard Rating System:



NFPA: Special Hazard **Potential Health Effects** (Acute and Chronic): Inhalation: This material can act as a simple asphyxiant by displacement of air. Symptoms of asphyxia include headache, dizziness, rapid breathing, increased pulse, mood changes, tremors, cyanosis, muscular weakness, narcosis, numbness of the extremities, unconsciousness and death. The effects of asphyxiation may be more rapid during physical effort since oxygen consumption is increased. The vapors are not irritants, but direct contact of the eyes, skin with cold vapors or liquid may **Skin Contact:** cause frostbite, burns, permanent ocular and skin lesions. Eye Contact: The vapors are not irritants, but direct contact of the eyes, skin with cold vapors or liquid may cause frostbite, burns, permanent ocular and skin lesions. Not a likely route of exposure. May be harmful if swallowed. Ingestion: People with pre-existing heart, lung or blood conditions may have an increased sensitivity to **Medical Conditions** asphyxiation. **Generally Aggravated** by Exposure: 3. COMPOSITION/INFORMATION ON INGREDIENTS Concentration CAS# Hazardous Components (Chemical Name) >85% 74-82-8 Methane 7727-37-9 <1% Nitrogen

4. FIRST AID MEASURES

	4. TINGTAID MEASORES
Emergency and First Aid Procedures:	
In Case of Inhalation:	If breathing is difficult, remove victims to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen or administer artificial respiration. Get medical aid if irritation develops and persists.
In Case of Skin Contact:	Liquefied gases may cause cryogenic burns or injury. Treat frostbitten skin by flushing or immersing affected areas in lukewarm water. Do not rub affected areas. Do not remove clothing that adheres due to freezing. After sensation has returned to the skin, keep skin warm, dry, and clean. Do not rub affected areas. Wash clothing before reuse. If blistering occurs, apply a sterile dressing. Seek immediate medical attention.
In Case of Eye Contact:	For contact with the liquefied gas, remove contact lenses if present, hold eyes open and gently flush the affected eye(s) with lukewarm water. Get immediate medical advice/attention.
In Case of Ingestion:	Not a likely route of exposure. In the unlikely event of ingestion, obtain medical attention immediately. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Signs and Symptoms of Exposure:	Light hydrocarbon gases are simple asphyxiant and can cause anesthetic effects at high concentrations. Symptoms of overexposure, which are reversible if exposure is stopped, can include shortness of breath, drowsiness, headaches, confusion, decreased coordination, visual disturbances and vomiting. Continued exposure can lead to hypoxia, rapid breathing, numbness, unconsciousness and death. The signs of frostbite are a change in the color of the skin to grey or white, followed later by blisters. The skin may become inflamed and painful.
Note to Physician:	Show this safety data sheet to the doctor in attendance. Epinephrine and other sympathomimetic

SAFETY DATA SHEET Methane Refrigerated Liquid

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drugs may initiate cardiac arrhythmias in persons exposed to high concentrations of hydrocarbon solvents (e.g., in enclosed spaces or with deliberate abuse). The use of other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

5. FIRE FIGHTING MEASURES		
Flash Pt:	-136°C	
Method Used:	Not Applicable	
Explosive Limits:	Lower level: 5% (Volume in air) Upper-level EL: 15% (Volume in air)	
Autoignition Pt:	482°C to 632°C	
Suitable Extinguishing	Dry chemical (Purple-K) and carbon dioxide are the most effective types of extinguishing media.	
Media:	To suppress or contain, use water fog or high expansion foam.	
Unsuitable	Water is not a suitable agent for fighting an Methane Refrigerated Liquid	
Extinguishing Media:	fire directly because it causes expansion of the fire by increasing the rate of vaporization of the liquid to gas.	
Fire Fighting Instructions:	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Flame-retardant clothing, gloves and proper eye protection need to be worn in any situation where there is the potential for Methane Refrigerated Liquid	
	vapors to ignite accidentally. If safe to do so, try to remove ignition sources. Use non-sparking tools to shut off the gas. Do not try to extinguish the fire if the gas leak can't be stopped. If there is no risk to the surrounding area, let the fire burn itself out. If needed, use a combustible gas detector to establish a secure perimeter around the site.	
	Spilled material may pool on the ground and flow toward lower points until the temperature rises above -100C (-148F). If the spill has not ignited, water spray can be used to direct flammable gas-air mixtures away from ignition sources. Methane Refrigerated Liquid vapors are heavier than air until the vapors reach -180F. During a significant spill the vapors generated may travel long distances to a distant ignition source.	
Flammable Properties and Hazards:	Highly flammable, extremely cold liquid and gas. Forms explosive mixtures in air and with oxidizing agents. A Rapid Phase Transition (RPT) can occur when there is a significant difference in temperature between the Methane Refrigerated Liquid and a warmer liquid; this reaction can cause instantaneous vaporization of the Methane Refrigerated Liquid. The sudden increase in total volume occupied by the Methane Refrigerated Liquid may generate a shock wave (sudden generation of overpressure but without combustion).	
Hazardous	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon	
Combustion Products:	dioxide, Fireball forms if gas is ignited immediately after release. Toxic gases, aldehydes, soot.	

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8. Stop leaking without risk. No action shall be taken involving any personal risk or without suitable training.	
Environmental Precautions:	Methane Refrigerated Liquid will not pollute natural resources such as ground water, soil, wetlands, streams or beaches. It vaporizes quickly and completely, and because it is lighter than air, it does not contain any pollutants from the spill. Prevent from entering sewers, basements and work pits, or any place where its accumulation can be dangerous.	
Steps To Be Taken in Case Material Is Released or Spilled:	Remove all sources of ignition. Ensure adequate ventilation. Notify relevant author in accordance with applicable regulations. Recommended measures are based or most likely spillage scenarios for this material; however local conditions regulations may influence or limit the choice of appropriate actions to be taken.	

SAFETY DATA SHEET Methane Refrigerated Liquid

	7. HANDLING AND STORAGE		
Precautions To Be Taken in Handling: Precautions To Be Taken in Storing: Other Precautions:	7. HANDLING AND STORAGE To be handled by trained personnel only, using equipment specifically designed for Methane Refrigerated Liquid and following approved standard operating procedures. Cold burns may occur during filling operations. Wear appropriate personal protective equipment (see section 8) and use good industrial hygiene. Gas can accumulate in confined spaces and limit available oxygen. Use only with adequate ventilation. Take precautionary measures against static discharge. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To avoid fire, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Do not drag, drop, slide or roll cylinders. The uncontrolled release of a gas under pressure may cause physical harm. Use a suitable hand truck for cylinder movement. Store only in containers compatible for Methane Refrigerated Liquid storage. Post area with proper signage such as no smoking, no open flames, personal protective equipment requirements and cryogenic hazard. Use spark-proof tools and explosion proof equipment. Keep away from heat, sparks and flame. Liquid methane tanks are equipped with pressure relief devices. Venting vapors may obscure visibility. If venting or leaking methane catches fire, do not extinguish flames. Flammable vapors may spread from leak creating an explosive reignition hazard. Vapors can be ignited by pilot lights, other flames, smoke, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from product handling point. Explosive atmospheres may linger. Before entering areas, especially confined areas, check the atmosphere with an approved explosion meter. Never touch live ele		
8. EXPOSURE CONTROLS/PERSONAL PROTECTION			
CAS # Partial Chem 74-82-8 Methane 7727-37-9 Nitrogen	ical NameOSHA TWAACGIH TWAOther LimitsNo dataTLV: Simple asphyxiant ppmNo dataNo dataTLV: Simple asphyxiant ppmNo data		
Respiratory Equipment (Specify Type): Eye Protection:	A NIOSH approved, self-contained breathing apparatus (SCBA) or equivalent operated in a pressure demand, or other positive pressure mode, should be used in situations of oxygen deficiency (oxygen content less than 19.5 percent), unknown exposure concentrations, or situations that are immediately dangerous to life or health (IDLH). A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. The use of eye protection (such as splash goggles) that meets or exceeds ANSI Z.87.1 is recommended when there is potential liquid contact to the eye. Depending on conditions of use, a face shield may be necessary.		
Protective Gloves: Other Protective Clothing:	Wear thermal insulating gloves and clothing when working with materials that present thermal hazards (hot or cold). Wear thermal insulating gloves and clothing when working with materials that		

GAS INNOVATIONS®	SAFETY DATA SHEET Methane Refrigerated Liquid	Page: 5 of 8 Revision:08/22/2024 Supersedes Revision: 02/07/2022
	present thermal hazards (hot or cold). Appropriate footw protection measures should be selected based on the the risks involved and should be approved by a spe product.	task being performed and
Engineering Controls:	Provide adequate ventilation to maintain 19.5% oxyge (20% of LEL). Use a combustible gas indicator since M is odorless. If ventilation practices are not adequ concentrations below exposure limits, additional eng required. The engineering controls also need to I concentrations below any lower explosive limits.	lethane Refrigerated Liquid uate to maintain airborne gineering controls may be
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and before breaks and at the end of workday. Suggestions exposure control and specific types of protective equips available information. Specific situations may require con- hygiene, safety or engineering professionals to ensure	provided in Section 8 for ment are based on readily onsultation regarding industrial

9. PHYSICAL AND CHEMICAL PROPERTIES		
Physical State:	[X] Gas [] Liquid [] Solid	
Appearance and Odor:	Colorless & ODOURLESS TO WEAK HYDROCARBON ODOUR	
pH:	NA	
Freezing Point:	-182°C	
Boiling Point:	-162°C	
Flash Pt:	-136°C	
Method Used:	Unknown	
Evaporation Rate:	NA	
Flammability (solid, gas):	If a source of ignition is present where the vapor exists at 5 - 15% concentration in air, the vapor will burn along the flame front towards the source of fuel. Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.	
Explosive Limits:	LEL: 5% (V) UEL: 15% (V)	
Vapor Pressure (vs. Air or mm Hg)	600kPa	
Vapor Density (vs. Air = 1):	NA	
Specific Gravity (Water = 1):	NA	
Density:	0.54 to 0.66 g/cm³ [0°C]	
Solubility in Water:	0.024 to 0.061 g/l	
Saturated Vapor Concentration:	NA	
Octanol/Water Partition Coefficient:	≤2.8	
Percent Volatile:	100 % by volume	
Autoignition Pt:	482°C to 632°C	
Decomposition Temperature:	No data	
Viscosity:	NA	
Molecular Formula:	C4H4	
Molar mass:	16.042 g/mol	
10. STABILITY AND REACTIVITY		

10. STABILITY AND REACTIVITY

Reactivity: Stability:	Stable under recommended storage conditions. Unstable [] Stable [X]
Conditions To Avoid - Instability:	Heat, flames and sparks. Air. Heat will increase pressure in the storage tank. Stable under recommended storage conditions. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatibility Materials to Avoid:	Air. Oxygen, Strong oxidizing agents. halides, chlorinated

SAFETY DATA SHEET Methane Refrigerated Liquid

compounds, fluorine.

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Hazardous Decomposition or Byproducts:		High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.		of	
Possibility of Hazardous Reactions:		Will occur [X] Will not occur []		
Conditions To Avoid - Hazardous Reactions:		Keep away from source of ignition, heat, high temperatures, flames, sparks, welding and static electricity.		es,	
	11.	TOXICOL	OGICAL INFORMAT	ION	
Mutagenicity:		Not class	ified as a mutagen.		
Reproductive toxicity:		Not class	ified as a reproductive toxin.		
Irritation or Corrosion:		No Data :	available		
Symptoms related to Toxi	cological	No Data :	available		
Characteristics:					
Chronic Toxicological Effe		No Data a	available		
Carcinogenicity:	NTP - No)	IARC Monographs - I	No OSHA Regulated - No	
	12.	ECOLOG	ICAL INFORMATION		
General Ecological Informa Classification:	to	-	ant adverse effects in the aqu	he surface and would not be expecte atic environment.	ed
Persistence and Degradabi	п.у. рі	ractice, hydro	· · · · ·	ed to be inherently biodegradable. In remain in solution long enough for s.	I
-		oes not bioac	cumulate.		
Mobility in Soil:	C	ompartment ir	· · · ·	es, air is the only environmental Released into the atmosphere, photodegradation.	
Other adverse effects:	Ν	ot expected.			
13. DISPOSAL CONSIDERATIONS					
Waste Disposal Method:		of contents/c		antities. Return container to supplien h local/regional/national/internationa	

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT): DOT Proper Shipping name: DOT Hazard Class: UN/NA number: Labels:

Methane Refrigerated Liquid 2.1 FLAMMABLE GAS UN1971



Sea Transport: Transport document description (IMDG):

UN-No. (IMDG):

UN1971

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Proper Shipping Name (IMDG):

Hazard Class:

Label:

METHANE, REFRIGERATED LIQUID

2.1



Air Transport: Transport document description (IATA): UN-No. (IATA): Proper Shipping Name (IATA): Hazard Class: Label:

UN1971 Methane, refrigerated liquid 2.1



15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists Hazardous Components (Chemical Name) CAS# S. 302 (EHS) S. 304 RQ S. 313 (TRI) 74-82-8 Methane No No No 7727-37-9 Nitrogen No No No CAS# Hazardous Components (Chemical Name) **Other US EPA or State Lists** TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: 74-82-8 Methane No; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1202; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: 7727-37-9 Nitrogen No; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No;

NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No International Regulatory Lists CAS# Hazardous Components (Chemical Name) 74-82-8 Methane Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes - 1971; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 9-1726; Korea ECL: Yes - KE-23181; Philippines ICCS: Yes; REACH: Yes - 01-2119474442-39: Full, (P) 7727-37-9 Nitrogen Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: No; Korea ECL: Yes - KE-25994; Philippines ICCS: Yes; REACH: Yes - (P)

Regulatory California Proposition 65: This material does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the requirements of California Proposition 65. EPA Reportable Quantity (CERCLA) (in pounds): EPA's petroleum exclusions apply to this material. (CERCLA 101(14). CERCLA/SARA Section 313 & 40 CFR 372: This material does not contain any chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372. CERCLA/SARA Section 311/312 (Title III Hazard Categories): Acute Health: Yes, Chronic Health: No Fire Hazard: Yes, Pressure Hazard: Yes, Reaction Hazard: No International Hazard Classification: Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the regulation.

SAFETY DATA SHEET Methane Refrigerated Liquid

16.OTHER INFORMATION		
Revision Date:	08/22/2024	
Preparer Name:	Crystal Maira	
NFPA Ratings:	0= Minimal Hazard	
	1= Slight Hazard	
	2= Moderate Hazard	
	3= Serious Hazard	
	4= Severe Hazard	
Company Policy or Disclaimer:	The information, recommendations, and suggestions herein were compiled from reference material and other sources believed to be reliable. However, the SDS's accuracy or completeness is not guaranteed by Gas Innovations or its affiliates, nor is any responsibility assumed or implied for any loss or damage resulting from inaccuracies or omissions. Since conditions of use are beyond our control, no warranties of merchantability of fitness for a particular purpose are expressed or implied. This SDS is not intended as a license to operate under, or a recommendation to infringe on, any patents. Appropriate warnings and	

safe handling procedures should be provided to handlers and users.