SCIENTIFIC

0.025%) in balance Nitrogen Monoxide (0.0005-0.09%,) Hydrogen Sulfide (0.001-Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon

Safety Data Sheet 50214
according to Federal Register / vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of Issue: 08/15/2014 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking Product form Product name Product identifier Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen

1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture Test gas/Calibration gas.

1810-9155, 1810-9157, 1810-9159, 1810-8181, 1810-9191, 1810-9194, 1810-2187, 1810-2343, 1810-3366, 1810-3827, 1810-5403, 1810-7599, 1810-8077, 1810-9103

Replaces ISC MSDS No.

1.3. Details of the supplier of the safety data sheet

Phone (412) 788-4353 TOLL-FREE 800-DETECTS Fax (412) 788-8353 Pittsburgh, PA 15205-7500 U.S. Supplier: Industrial Scientific Corporation

MANUFACTURER: CALGAZ 821 Chesapeake Drive Cambridge, MD 21613

CHEMTREC: 1-800-424-9300 Internationally: 1-703-527-3887

Emergency number

Emergency telepho

SECTION 2: Hazards identification

Classification (GHS-US) Compressed gas H280

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)

Warning

H280 - Contains gas under pressure; may explode if heated OSHA-H01 - May displace oxygen and cause rapid suffocation

P202 - Do not handle until all safety precautions have been read and understood P271 - Use only outdoors or in a well-vernitated area P204 - P304 - If initiated, Facrowce person to fresh air and keep comfortable for breathing P213 - Get medical advice/attention CCA+PG55 - Use a back flow preventive device in the piping CGA+PG21 - Open valve stowly CGA+PG14 - Open valve stowly CGA+PG15 - Obser valve after each use and whon empty CGA+PG16 - Cose valve after each use and whon empty CGA+PG10 - Use only with equipment rated for cylinder pressure CGA+PG21 - Approach suspected leak area with caution CGA+PG2 - Protect from sunlight when ambient temperature exceeds 52°C (125°F) P403 - Store in a well-vertilated place

Precautionary statements (GHS-US) Hazard statements (GHS-US) Signal word (GHS-US)

EN (English US)

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Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen

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No additional information available

Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

Not applicable Substance

Nitrogen	Product identifier (CAS No) 7727-37-9	80.1575 -	Classification (GHS-US) Compressed gas, H280
Charles Soll	(CAS No) 7727-37-9	90.1575 - 99.9985	
Cxyger	(CAS No) 7782-44-7	0-19	Ox. Gas 1, H270 Compressed gas, H280
Carbon monovido	(CAS No) 109-66-0	0-0.75	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304
Coloni IIIVIAAUG	(CAS No) 630-08-0	0.0005 - 0.09	Flam. Gas 1, H220 Compressed gas, F Acute Tox. 3 (Inhala H331 Repr. 1A, H360 STOT RE 1, H372
i yurugei sumue	(CAS NO) 7783-06-4	0.001 - 0.0025	

SECTION 4: First aid measures First-aid measures after inhalation Description of first aid measures

First-aid measures after eye contact First-aid measures after skin contact Remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. Adverse effects not expected from this product.

First-aid measures after ingestion Ingestion is not considered a potential route of exposure Adverse effects not expected from this product.

Symptoms/injuries 4.2. Most important sympto Adverse effects not expected from this product.

Symptoms/injuries after inhalation

Symptoms/injuries upon intravenous administration Symptoms/injuries after ingestion Symptoms/injuries after eye contact Symptoms/injuries after skin contact Not known. Ingestion is not considered a potential route of exposure Adverse effects not expected from this product. Adverse effects not expected from this product. May displace oxygen and cause rapid suffocation

Chronic symptoms Adverse effects not expected from this product

Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice. If breathing is difficult, give oxygen.

SECTION 5: Firefighting measures Extinguishing media

Suitable extinguishing media Use extinguishing media appropriate for surrounding fire

Unsuitable extinguishing media Do not use water jet.

Fire hazard Special hazards arising from the substance or mixture

The product is not flammable.

Explosion hazard Product is not explosive. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

None known.

Reactivity

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Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Safety Data Sheet

Firefighting instructions		seems Transmiss seem Clarket	
Protection during firefighting	 D.J. O. 10	fig for cooling exposed containers. E Standard protective clothing and equi fighters. Do not enter fire area withou protection.	Togatic cooling exposed containers. Exercise caution when injuring any constraint of the fog für cooling exposed containers. Exercise caution when injuring any chemical fire. Slandard protective cothing and equilipment (e.g., Self Contained Breathing Apparatus) for fire fighters. Do not enter fire area without proper protective equilipment, including respiratory protection.
SECTION 6: Accidental release measures	release measure	5	
6.1. Personal precaution	ns, protective equipm	Personal precautions, protective equipment and emergency procedures	
General measures		Ensure adequate ventilation.	
6.1.1. For non-emergency personnel			
Protective equipment	,	Wear protective equipment consistent with the site emergency plan.	it with the site emergency plan.
Emergency procedures	 	scape the danger area by the close emises. Keep containers closed. M	Escape the danger area by the closest safe route. Close doors and windows of adjacent premises. Keep containers closed. Mark the danger area. Seel off low-lying areas, Keep upwind.
6.1.2. For emergency responders			
Protective equipment		landard protective clothing and equal there. Equip cleanup grew with pro	Standard protective clothing and equipment (e.g., Self Contained Breathing Apparatus) for fire fighters. Equip cleanup crew with proper protection.
Emergency procedures	 m,	Evacuate and limit access. Ventilate area	area.
6.2. Environmental precautions			
Try to stop release if safe to do so	SO.		
6.3. Methods and mater	Methods and material for containment and cleaning up	d cleaning up	
For containment	: 1	Try to stop release if safe to do so.	
Methods for cleaning up	0	ispose of this material and its conta	Dispose of this material and its container in accordance with local regulations.
Reference to other sections			
See also Sections 8 and 13.			
SECTION 7: Handling and storage	nd storage		
7.1. Precautions for safe handling Additional hazards when processed	idling .	ressurized container. Do not pierce	or him even offer up les oncines et at at familie de
		pressure.	pressure.
Precautions for safe handling	 5 D	Do not handle until all safety precaut in a well-ventilated area.	Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area.
Hygiene measures	D	Do not eat, drink or smoke when using this product	ng this product.
7.2. Conditions for safe	Conditions for safe storage, including any incompatibilities	y incompatibilities	
Technical measures	 O	Comply with applicable regulations.	
Storage conditions	0	o not expose to temperatures excer rotect cylinder from physical damag	Do not expose to temperatures exceeding 52°C (125°F). Keep container closed when not in use. Protect cylinder from physical damage. Store in well ventilated area.
Incompatible products		None known.	
Incompatible materials	 z	None known.	
7.3. Specific end use(s) Test cas/Calibration cas			
SECTION 8: Exposure controls/personal protection	controls/personal	protection	
8.1. Control parameters			
Pentane (109-66-0)			
USA ACGIH	ACGIH TWA (ppm)		600 ppm
USA OSHA	OSHA PEL (TWA) (mg/m²)	ng/m²)	2950 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	opm)	1000 ppm
Carbon monoxide (630-08-0)	IJ	200 LOCAL - 100	The Control of the Co
USA ACGIH	ACGIH TWA (ppm)		25 ppm
100000	0015 711 751111	ng/m³)	55 mg/m³

Oxidizing properties Explosive limits

Explosive properties Viscosity, dynamic Viscosity, kinematic

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None.

Not applicable. Not applicable - not flammable.

Not applicable - not flammable

Not applicable.

Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Safety Data Sheet

Carbon monoxide (630-08-0)	Carbon monoxide (630-08-0)	
	OSHA PEL (TWA) (ppm)	50 ppm
Hydrogen sulfide (7783-06-4)		CHILDRAND CONTROL TO CONTROL TO THE SECOND S
	ACGIH TWA (ppm)	1 ppm
USA ACGIH	ACGIH STEL (ppm)	5 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	20 ppm
Nitrogen (7727-37-9)		
8.2. Exposure controls		
Appropriate engineering controls	: Provide adequate gener regularly checked for ler Consider work permit sy	Provide adequate general and local exhaust ventilation. Systems under pressure should be regularly checked for leakages. Ensure exposure is below occupational exposure limits, consider work permit system e.g. for maintenance activities.
Eye protection	. Wear safety glasses with	Wear working gloves when handling gas containers, 29CFR 1910.138: Hand Protection. Wear safety classes with side shields, 29 CFR 1910.139: Even and Exposure the shields of the shields o
Skin and body protection	: Wear suitable protective	Wear suitable protective clothing, e.g lab coats, coveralls or flame resistant clothing
Respiratory protection	: None necessary during	None necessary during normal and routine operations. See sections 5.8.6
Thermal hazard protection	None necessary during	None necessary during normal and routine operations.
Environmental exposure controls	 Refer to local regulations for restriction of specific methods for waste reactment 	Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste has toatment
Other information	: Wear safety shoes while	Wear safety shoes while handling containers, 29 CFR 1910.136: Foot Protection,
9.1. Information on basic physical and chamical properties	Information on basic physical and chamical properties	
sical	: Gas	
Molecular mass	: Not applicable for gas-mixtures	nixtures.
Color	: Colorless	
Odor	Rotten eggs	
Odor threshold	: No data available	
рH	: Not applicable for gas-mixtures	nixtures.
Relative evaporation rate (butyl acetate=1)	etate≂1) : No data available	
Relative evaporation rate (ether=1)	Not applicable for gas-mixtures	nixtures.
Melting point	No data available	
Freezing point	No data available	
Boiling point	No data available	
Flash point	No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	Not applicable - not flammable	nmable
Vapor pressure	: Not applicable.	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Relative gas density	Heavier than air.	
Solubility	: Water Solubility in water	Water Solubility in water of component(s) of the mixture :
Log Pow	: Not applicable for gas-mixtures	nixtures.
Log Kow	: Not applicable for gas-mixtures	nixtures.
Viscosity, kinematic	Not applicable.	

0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-

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Additional information Other Information

Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

Stable under normal conditions. None known. SECTION 10: Stability and reactivity Reactivity Chemical stability

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid None known.

None under recommended storage and handling conditions (see section 7).

None known 10.5. Incompatible materials

Under normal conditions of storage and use hazardous decomposition products should not be produced

SECTION 11: Toxicological information

Acute toxicity

ATE US (dust, mist) ATE US (gases) ATE US (dermal) LC50 inhalation rat (ppm) Oxygen (7782-44-7) LC50 inhalation rat (ppm) Carbon monoxide (630-08-0) ATE US (vapors) Pentane (109-66-0) LC50 inhalation rat (mg/l) .D50 dermal rabbit 400000 ppm/4h 364.00000000 mg/l/4h 364.00000000 mg/l/4h 364 g/m³ (Exposure time: 4 h) 123390.000000000 ppmV/4h 3000.000000000 mg/kg body weight 123390 ppm/4h Not classified

ATE US (dust, mist) ATE US (gases) Nitrogen (7727-37-9) LC50 inhalation rat (ppm) ATE US (vapors) LC50 inhalation rat (ppm) Hydrogen sulfide (7783-06-4) LC50 inhalation rat (mg/l) 0.99000000 mg/l/4h 0.99 mg/l (Exposure time: 1 h) 356 ppm/4h 356.00000000 ppmV/4h 0.99000000 mg/l/4h 1880.00000000 ppmV/4h

_C50 inhalation rat (ppm)

1880 ppm/4h

Serious eye damage/irritation pH: Not applicable for gas-mixtures.

Not classified Not classified

410000 ppm/4h

Respiratory or skin sensitization Not classified pH: Not applicable for gas-mixtures

Not classified

EN (English US) Not classified

09/12/2014 Carcinogenicity Germ cell mutagenicity

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0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-

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Specific target organ toxicity (single exposure) Not classifiedNot classified

Specific target organ toxicity (repeated exposure) Aspiration hazard Not classified Not classified No known effects from this product

Symptoms/injuries after inhalation May displace oxygen and cause rapid suffocation Not applicable for gases and gas-mixtures.

Symptoms/injuries upon intravenous administration Symptoms/injuries after ingestion Symptoms/injuries after eye contact Symptoms/injuries after skin contact Adverse effects not expected from this product. Ingestion is not considered a potential route of exposure Adverse effects not expected from this product. Not known.

Adverse effects not expected from this product

SECTION 12: Ecological information

Chronic symptoms

Persistence and degradability Carbon monoxide (630-08-0) Oxygen (7782-44-7) Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Persistence and degradability

No data available. Hydrogen sulfide (7783-06-4) Persistence and degradability Persistence and degradability Nitrogen (7727-37-9) No ecological damage caused by this product Will not undergo hydrolysis. Not readily biodegradable. Not applicable for inorganic gases. Not applicable for inorganic gases. No ecological damage caused by this product No data available.

Carbon monoxide (630-08-0) Bioaccumulative potential Oxygen (7782-44-7) Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-0.09%,) Hydrogen Suffide (0.001-0.025%) in balance Nitrogen 12.3. Bioaccumulative potential Log Pow Pentane (109-66-0) Log Pow Log Kow Bioaccumulative potential Log Pow EN (English US) Not applicable for gas-mixtures.

Not applicable for gas-mixtures.

No data available. 3.39 Not applicable for inorganic gases.

No ecological damage caused by this product. SDS ID: 50214

0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-

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Carbon monoxide (630-08-0)	
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4). Refer to section 9.
Hydrogen sulfide (7783-06-4)	
BCF fish 1	(no bioaccumulation expected)
Log Pow	Not applicable for ingraanic gases.
Bioaccumulative potential	No data available.
Nitrogen (7727-37-9)	King the state
Log Pow	Not applicable for inorganic gases.
Bioaccumulative potential	
12.4. Mobility in soil	No ecological damage caused by this product.
Oxygen (0 - 19%,) Pentane (0 - 0.75%,) C:	No ecological damage caused by this product.
Mobility in onli	No ecological damage caused by this product. arbon Monoxide (0.0005-0.09%,) Hydrogen Sulfide (0.001-0.025%) In balance Nitrogen
Mobility III SUII	Bioaccumulative potential No ecological damage caused by this product. 2.4. Wobility in soil Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Mobility in soil
Oxygen (7782-44-7)	No ecological damage caused by this product. arbon Monoxida (0.005-0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen No data available.
Oxygen (7782-44-7) Ecology - soil	No ecological damage caused by this product. No data available. No ecological damage caused by this product.
Oxygen (7782-44-7) Ecology - soil Carbon monoxide (630-48-0)	No ecological damage caused by this product. arbon Monoxidis (0.0005-0.08%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen No data available. No ecological damage caused by this product.
mouning it soil Oxygen (7782-44-7) Ecology - soil Carbon monoxide (630-98-0) Ecology - soil	No ecological damage caused by this product. arbon Monoxidis (0.0005-0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen No data available. No ecological damage caused by this product. Because of its high volatility, the product is unlikely to cause ground or water pollution.
Oxygen (7782-44-7) Ecology - soil Carbon monoxide (630-08-0) Ecology - soil Hydrogen suffide (7783-08-4)	No ecological damage caused by this product. arbon Monoxide (0.0005-0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen No data available. No ecological damage caused by this product. Because of its high volatility, the product is unlikely to cause ground or water pollution.

Effect on ozone layer 12.5. Other adverse effects

Nitrogen (7727-37-9)

Effect on the global warming Contains greenhouse gas(es) not covered by 842/2006/EC.

: None

No ecological damage caused by this product.

13.1. Waste treatment methods SECTION 13: Disposal considerations

Waste treatment methods

Waste disposal recommendations

Contact supplier if guidence is required. May be vented to atmosphere. Do not discharge into any place where its accumulation could be dangerous. Ensure that the emission levels from local regulations or operating permits are not exceeded.

Refer to the CGA Pamphlet P-63 "Disposal of Gases" available at www.cganet.com for more guidance on suitable disposal methods.

SECTION 14: Transport information

Transport document description In accordance with DOT

DOT NA no. UN-No.(DOT)

> 1956 UN1956 Compressed gas, n.o.s. (Oxygen, Nitrogen)

DOT Proper Shipping Name Hazard labels (DOT) 2.2 - Non-flammable gas Compressed gas, n.o.s. UN1956

G - Identifies PSN requiring a technical name

DOT Symbols

DOT Packaging Bulk (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Exceptions (49 CFR 173.xxx) 302;305 306;307

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

75 kg 314;315

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0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-

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DOT Quantity Limitations Cargo aircraft only (49 150 kg CFR 175.75) DOT Vessel Stowage Location \boldsymbol{A} - The material may be stowed "on dock" or "under deck" on a cargo vessel and on a passanger vessel.

Other information nal information

Special transport precautions

Awold transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: - insure there is adequate venitation. - Ensure that containers are firmly secured. - Ensure cylinder valve to decided and one telesting. - Ensure valve outlet cap nut or plug (where provided) is correctly fitted. - Ensure valve protection device (where provided) is correctly fitted. No supplementary information available.

Transport document description

Class (IMDG) Proper Shipping Name (IMDG) UN-No. (IMDG) Fransport by sea COMPRESSED GAS, N.O.S. 1956

UN-No.(IATA) 2.2 - Non-flammable, non-toxic gases 1956

COMPRESSED GAS, N.O.S

Class (IATA)

Proper Shipping Name (IATA)

SECTION 15: Regulatory information

15.1. US Federal regulations

EPA TSCA Regulatory Flag Pentane (109-66-0) Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 313 - Emission Reporting Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on the United States SARA Section 302 Listed on United States SARA Socion 313 Hydrogen sulfide (7783-06-4) SARA Section 302 Threshold Planning Quantity (TPQ) 1.0 % T-T-indicates a substance that is the subject of a Section 4 test rule under TSCA. 500

15.2. International regulations

CANADA

Oxygen (7782-44-7) Listed on the Canadian DSL (Domestic Sustances List)

WHMIS Classification Class A -Compressed Gas Oxidizing Material

WHMIS Classification Pentane (109-66-0) List)
Class B Division 2 - Flammable Liquid

WHMIS Classification Carbon monoxide (630-08-0) isted on the Canadian DSL (Domestic Sustances List) Class A - Compressed Gas
Class B Division 1 - Flammable Gas
Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Safety Data Sheet according to Federal Register / Vol. 77, No. 59 / Monday, March 26, 2012 / Rules and Regulations 0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-

Hydrogen suifide (7783-08-4)	
Listed on the Canadian DSI, (Domestic Sustances List)	inces List)
WHMIS Classification	Class A - Compressed Gas Class B Division 1 - Flammable Cas Class B Division 1 - Flammable Cas Class D Division 1 Sundivision A - Very toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Nitrogen (7727-37-9)	Signal of the material consult duties (OXIC ellects
Listed on the Canadian DSI (Domestic Sustances Lie)	Done int)
Total of the controller Dor (Donles in Controller	inces List)
WHMIS Classification	Class A - Compressed Gas
EU-Regulations	
Hydrogen suffide (7783-06-4)	
Listed on the EEC inventory EINECS (European Inventory of Existi Classification according to Regulation (EC) No. 1272/2008 [CLP Not classified	Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Ideasification according to Regulation (EC) No. 1272/2008 (CLP) to classified
Classification according to Directive 67/548/EEC [DSD] or 1989/45/EC [DPD] 15.2.2. National regulations	FEEG [DSD] or 1999/45/EC [DPD]
Hydrogen sulfide (7783-06-4)	The state of the s
Listed on AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Impor Listed on the Japanese EICSC (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List)	rodu
Listed on NCIOC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Canadian IDL (Ingredient Disc)csure I ist)	Hemidals) amicals and Chemidal Substances) sure List

15.3. US State regulations

Overen (7782 AA 7)	Yes	U.S California - U.S C Proposition 65 - Proposition	
		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)	

Oxygen (1784—94-1) 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

U.S Pennsylvania - BTK (Dight to Know) - Environmental Hazard Els	U.S Pennsylvania - RTK (Right to Know) Environment 11	U.S New Jersey - Right to Know Hazardone Substance List	U.S Massachusetto - Dight To Know I int	Carbon monoxide (630-08-0)
Zaro eist			San	

U.S. - Pennsylvania - RTK (Right to Know) List

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0.09%,) Hydrogen Sulfide (0.001-0.025%) in balance Nitrogen Oxygen (0 - 19%,) Pentane (0 - 0.75%,) Carbon Monoxide (0.0005-

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gen (1727-37-9) New Jersey - Right to Know Hazardous Substance List Pennsylvania - RTK (Right to Know) List	ardous Substance List Dw) List	U.S New Jersey - Ri U.S Pennsylvania - I	Nitrogen (7727-37-
		Right to Know Hazardo - RTK (Right to Know)	3)
		bus Substance List List	
		П	

SECTION 16: Other information

Revision date Indication of changes Revised safety data sheet in accordance with OSHA final rule on GHS implementation promulgated March 26, 2012. 08/15/2014

Other information This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR, 1910, 1200. Other government regulations must be reviewed for applicability to this product.

Full text of H-phrases: see section 16: Acute Tox. 2 (inhalation:gas) Acute Tox. 3 (inhalation:gas) Asp. Tox. 1 Liquefied gas Ox. Gas 1 Ox. Gas 1 Repr. 1A STOT RE 1 STOT SE 3 STOT SE 3 STOT SE 3 H225 H220 H230 H330 H336 H336 H336 H336 H336 H370 Compressed gas Flam. Gas 1 May cause respiratory irritation May cause drowsiness or dizziness May damage fertility or the unborn child May cause or intensify fire; oxidizer Contains gas under pressure; may explode if heated May be fatal if swallowed and enters airways Fatal if inhaled Specific larget organ toxicity (repeated exposure) Category 1 Specific larget organ toxicity (single exposure) Category 3 Specific larget organ toxicity (single exposure) Category 3 Extremely flammable gas Causes damage to organs through prolonged or repeated exposure Gases under pressure Liquefied gas Oxidizing gases Category 1 Gases under pressure Compressed gas Flammable gases Category 1 Highly flammable liquid and vapor Reproductive toxicity Category 1A Acute toxicity (inhalation:gas) Category 2 Acute toxicity (inhalation:gas) Category 3 Toxic if inhaled Flammable liquids Category Aspiration hazard Category 1

SDS US (GHS HazCom 2012)

This Safety Data Street is officed pursuant to OSH41 Hazard Communication Standard, 28 CFR, 1910 1200. Other povernment regulations must be minimated for explicability to this gas minimate to be dead of Calaparis knowledge, the information characteristic solitable and accurate as of this data, however, sucreacy, suitability or completeness are not guaranteed and no aromatics of any type, other express or regulad, any provided in from the formation between instants of this specific particular. If his gas multium is combined with other materials, all component projections must be considered. Data may be charged from time to time, bit suce to consult the littles eatlier.

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