



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 089791

# LIQUIFIED NATURAL GAS (LNG)

Date of the previous version: 2019-11-18

Revision Date: 2020-05-27

Version 1.01

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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### 1.1. Product identifier

<b>Product name</b>	<b>LIQUIFIED NATURAL GAS (LNG)</b>
<b>REACH Registration Name</b>	This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH).
<b>Substance/mixture</b>	Substance

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

<b>Identified uses</b>	Fuel.
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### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	TOTAL MARINE FUELS GLOBAL SOLUTIONS 182 Cecil Street #27-01 Frasers Tower Singapore 069547 Tel : +65 6849 5266 Fax : +65 6337 9483
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### For further information, please contact:

<b>Contact Point</b>	HSE
<b>E-mail Address</b>	rm.mkefr-fds@total.com

### 1.4. Emergency telephone number

Emergency telephone: +44 1235 239670

See section 16 for additional information

Section 2: HAZARDS IDENTIFICATION
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### 2.1. Classification of the substance or mixture

#### **REGULATION (EC) No 1272/2008**

*For the full text of the H-Statements mentioned in this Section, see Section 2.2.*

#### **Classification**

Flammable gases - Category 1 - (H220)  
Gases under pressure - Liquefied gas - (H281)



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

### 2.2. Label elements

Labelled according to REGULATION (EC) No 1272/2008

EC-No 232-343-9

#### Hazard pictograms



**Signal word**  
DANGER

#### Hazard Statements

H220 - Extremely flammable gas

H281 - Contains refrigerated gas; may cause cryogenic burns or injury

#### Precautionary Statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P282 - Wear cold insulating gloves and either face shield or eye protection

P336 - Thaw frosted parts with lukewarm water. Do not rub affected area

P315 - Get immediate medical advice/attention

P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely

P381 - In case of leakage, eliminate all ignition sources

P403 - Store in a well-ventilated place

### 2.3. Other hazards

#### Physical-Chemical Properties

Extremely flammable.

Accidental intense heating (in case of fire for example) of a container filled with this gas can lead to bursting and spreading of the product whose vapours may ignite causing deflagration or explosion .

Vapors may be heavier than air and may spread along the ground, then they gradually disperse.

#### Properties Affecting Health

In the gaseous phase: may have a slight anaesthetic effect and/or an asphyxiating effect as it reduces the oxygen content in the air. Contact with product may cause frostbite.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

**Chemical nature** Natural gas, gaseous hydrocarbon C1-C4.

Chemical Name	EC-No	REACH registration	CAS-No	Weight %	Classification (Reg. 1272/2008)
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SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

Natural gas	232-343-9	No EXEMPT	8006-14-2	100	Flam. Gas 1 (H220) Press. Gas (H280)
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### Other constituents required for disclosure

Chemical Name	EC-No	CAS-No	Weight %	Classification (Reg. 1272/2008)
Methane	200-812-7	74-82-8	>75	Flam. Gas 1 (H220)
Ethane	200-814-8	74-84-0	<15	Flam. Gas 1 (H220) Press. Gas (H280)
Butane	203-448-7	106-97-8	<5	Flam. Gas 1 (H220) Press. Gas (H280)
Propane	200-827-9	74-98-6	<5	Flam. Gas 1 (H220) Press. Gas (H280)

For the full text of the H-Statements mentioned in this Section, see Section 16.

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first-aid measures

<b>General advice</b>	<p>IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.</p> <p>Remove casualty to fresh air as quickly as possible.</p> <p>Cut off the electric power supply if this operation causes no sparks in the area containing vapors from the product.</p> <p>Turn off the valves of the container or storage.</p> <p>Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces.</p>
<b>Eye contact</b>	<p>Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.</p> <p>Consult a physician. Early ophthalmologic evaluation is recommended in case of cold burns to the eyes.</p>
<b>Skin contact</b>	<p>Treat more severe cold burns in the same manner as thermal burns.</p> <p>Wash off immediately with plenty of water for at least 15 minutes. Immediately remove all stained or splashed clothing that is not adhering to the skin.</p> <p>Do not attempt to warm up the affected parts directly (friction, warm bath...).</p> <p>Seek medical attention in all cases of serious burns. In this case, the casualty should be sent immediately to hospital.</p>
<b>Inhalation</b>	<p>In case of exposure to intense concentrations of vapours, fumes or spray, transport the person away from the contaminated zone, keep warm and allow to rest.</p> <p>If symptoms persist, call a physician. Artificial respiration and/or oxygen may be necessary.</p>
<b>Ingestion</b>	<p>Not an expected route of exposure.</p>

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

<b>Eye contact</b>	Direct contact with liquefied gas can result in eye burns.
<b>Skin contact</b>	Contact with product may cause frostbite.



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

**Inhalation** Vapors may cause drowsiness and dizziness. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

**Ingestion** Not an expected route of exposure.

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

**Notes to physician** Treat symptomatically.

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Dry powder. Carbon dioxide (CO<sub>2</sub>). Foam.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Special hazards arising from the substance or mixture

**Special Hazard** It is dangerous to extinguish a burning flame if it is impossible to stop the leak rapidly. Extinction of the flame should only be carried out by closing off the valve, in situations where this is possible.  
Accidental intense heating (in case of fire for example) of a container filled with this gas can lead to bursting and spreading of the product whose vapours may ignite causing deflagration or explosion .  
Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

### 5.3. Advice for fire-fighters

**Special protective equipment for fire-fighters** Use water curtains to protect the personnel. In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Other information** Cool down any tanks and surfaces exposed to fire by spraying abundantly with water. Remove combustible material and, if possible, all exposed reservoirs.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

**General Information** Evacuate personnel to safe areas. Establish a security perimeter. Alert emergency personnel.  
Shut off the gas supply. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop all work that requires a naked flame, stop all vehicles, stop all machines and equipment that may cause sparks or flames. Cut off the electric power supply if this operation causes no sparks in the area containing vapors from the product. VENTILATE EXTENSIVELY. Remove combustible material and, if possible, all exposed reservoirs.  
If the product is leaking in two phases, avoid skin contact with the liquid product.



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

Do not stay in the gas cloud, stay upwind of the source.  
The cloud of steam can have a whitish fog may disappear depending on the humidity of the air appearance. Ensure that there is no remaining risk before resuming normal operations.

### Advice for non-emergency personnel

Immediately evacuate personnel to safe areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).  
For personal protection see section 8.

### Advice for emergency responders

Take all appropriate steps to avoid fire, explosion and inhalation hazards to the rescuers including the use of breathing apparatus.  
Use personal protective equipment: Work helmet with face shield and neck cloth (full head protection), Impervious gloves and boots, Coverall (with trousers legs over boots). These should be made of infusible and fireproof material.  
Remove all sources of ignition.

### 6.2. Environmental precautions

#### General Information

Prevent entry into waterways, sewers, basements or confined areas.  
Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

### 6.3. Methods and material for containment and cleaning up

#### Methods for cleaning up

In case of a leak with no fire, stop the leak by closing the valve. Stop leak if you can do it without risk.  
Ensure adequate ventilation.

### 6.4. Reference to other sections

#### Personal Protective Equipment

See Section 8 for more detail.

#### Waste treatment

See section 13.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

This gas is produced, stored, transported and distributed UNDER PRESSURE AS A LIQUID. Under normal conditions of distribution, it is never handled directly because it is continuously confined in closed systems until its final destruction by combustion during use. FIRST PRECAUTIONS CONSIST IN ENSURING IT IS CAREFULLY CONFINED.  
Ensure adequate ventilation. Keep away from heat, sparks and open flame. No smoking. Take precautionary measures against static electricity.  
Never weld a gas container.  
NEVER UNDERTAKE ANY OPERATION THAT MAY AFFECT THE SAFE CONTAINMENT OF THE FIXED STORAGE TANKS OR CONTAINERS.  
The inspection, cleaning and maintenance of storage containers require the application of strict procedures and must be entrusted to qualified personnel (internal or external). For personal protection see section 8.

#### Technical measures

Ensure adequate ventilation.  
Design installations (machinery and equipment) to prevent burning product from spreading



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

(tanks, retention systems, interceptors (traps) in drainage systems).  
Take precautionary measures against static electricity. Ensure all equipment is electrically grounded before beginning transfer operations.

**Prevention of fire and explosion** Do not smoke.  
All transfers, loading and unloading from vehicles must be carried out only by specifically trained personnel and in compliance with applicable procedures.  
Design installations to avoid the possibility of the gas accumulating. Never heat a tank, a bottle or pipes holding gas with an open flame.

**Hygiene measures** Do not smoke.  
Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions** STORE THIS GAS IN COMPLIANCE WITH APPLICABLE REGULATIONS, AS APPROPRIATE FOR THE TYPE OF STORAGE USED AND THE QUANTITIES STORED.  
. All the electric installations, including the lighting of rooms that may contain this product, must be adapted to the risk area, in compliance with the European ATEX directives.  
. Store in a well-ventilated place. Keep cool. Keep away from heat and sources of ignition. Take precautionary measures against static discharges.  
. Do not store near combustible materials /oxidizing materials.

**Materials to Avoid** Strong oxidizing agents. Halogens.

**Packaging material** Use only bottles and tanks that comply with regulations for pressure devices or cryogenic equipment, intended for this gas.

### 7.3. Specific end uses

**Specific use(s)** No information available.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Exposure limits** Ingredients with workplace control parameters

**Other constituents required for disclosure**

**Legend** See section 16

### 8.2. Exposure controls

#### **Occupational Exposure Controls**

**Engineering Measures** When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.  
Do not enter empty storage tanks until measurements of available oxygen have been carried out.



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

### Personal Protective Equipment

<b>General Information</b>	Protective engineering solutions should be implemented and in use before personal protective equipment is considered.
<b>Respiratory protection</b>	Maintain adequate ventilation. . In an emergency or for exceptional short-lasting jobs in an atmosphere polluted by the product, it is necessary to wear protective respiratory equipment: Wear self-contained breathing apparatus.
<b>Eye Protection</b>	If splashing is likely, full head and face protection (protective shield and/or safety goggles) should be used. (EN 166).
<b>Skin and body protection</b>	Wear cold insulating gloves/face shield/eye protection. . Face shield, protective clothing, as applicable, and anti-static safety boots.
<b>Hand Protection</b>	Cold insulating gloves.

### Environmental exposure controls

**General Information** No information available.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquefied gas
<b>Color</b>	colorless
<b>Physical State @20°C</b>	Gas
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
<b>pH</b>		Not applicable	
<b>Melting point/range</b>		No information available	
<b>Boiling point/boiling range</b>	<b>-166 - -157 °C</b> -267 - -251 °F		
<b>Flash point</b>		Not applicable	
<b>Evaporation rate</b>		No information available	
<b>Flammability Limits in Air</b>			
<b>upper</b>	15 %		
<b>Lower</b>	5 %		
<b>Vapor Pressure</b>	600 - 39000		
<b>Vapor density</b>		No information available	
<b>Relative density</b>	0.54 - 0.66	@ 0 °C	
<b>Density</b>	420 - 480 kg/m <sup>3</sup>	@ -162 °C (Liquid)	
<b>Water solubility</b>	0.024 - 0.061 g/L	@ 20 °C	
<b>Solubility in other solvents</b>		No information available	



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

<b>logPow</b>	<= 2.8	
<b>Autoignition temperature</b>	> 400 °C	
	> 752 °F	
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Explosive properties</b>	May form explosive mixtures with air	
<b>Oxidizing Properties</b>	Not applicable	
<b>Possibility of hazardous reactions</b>	Rapid Phase Transition when exposed to water (RPT)	

### 9.2. Other information

<b>Freezing Point</b>	-183 °C
	-297 °F

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

<b>General Information</b>	No information available.
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### 10.2. Chemical stability

<b>Stability</b>	Stable under recommended storage conditions.
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### 10.3. Possibility of hazardous reactions

<b>Hazardous Reactions</b>	Rapid Phase Transition when exposed to water (RPT).
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.
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### 10.5. Incompatible materials

<b>Materials to Avoid</b>	Strong oxidizing agents, Halogens.
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### 10.6. Hazardous Decomposition Products

<b>Hazardous Decomposition Products</b>	None under normal use.
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## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Acute toxicity Local effects Product Information**

<b>Skin contact</b>	This substance does not meet the EU criteria for classification.
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SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

Contact with product may cause frostbite.

### Eye contact

This substance does not meet the EU criteria for classification.  
Direct contact with liquefied gas can result in eye burns.

### Inhalation

This substance does not meet the EU criteria for classification.  
Vapors may cause drowsiness and dizziness. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

### Ingestion

This substance does not meet the EU criteria for classification.  
Not an expected route of exposure.

### Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Natural gas			LC50 (0.25h) > 800000 ppm (rat)

### Sensitization

#### Sensitization

This substance does not meet the EU criteria for classification.

### Specific effects

#### Carcinogenicity

This substance does not meet the EU criteria for classification.

#### Mutagenicity

This substance does not meet the EU criteria for classification.

#### Germ Cell Mutagenicity

This substance does not meet the EU criteria for classification.

#### Reproductive toxicity

This substance does not meet the EU criteria for classification.

### Repeated dose toxicity

### Target Organ Effects (STOT)

#### Specific target organ systemic toxicity (single exposure)

This substance does not meet the EU criteria for classification.

#### Specific target organ systemic toxicity (repeated exposure)

This substance does not meet the EU criteria for classification.

#### Aspiration toxicity

This substance does not meet the EU criteria for classification.

### Other information

#### Other information

No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Not classified.



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

### Acute aquatic toxicity - Product Information

Not applicable.

### Acute aquatic toxicity - Component Information

No information available.

### Chronic aquatic toxicity - Product Information

Not applicable.

### Chronic aquatic toxicity - Component Information

No information available.

### Effects on terrestrial organisms

No information available.

## 12.2. Persistence and degradability

### **General Information**

Product is biodegradable

## 12.3. Bioaccumulative potential

### **Product Information**

The potential for bioaccumulation of the product in the environment is very low.

### **logPow**

&lt;= 2.8

### **Component Information**

Chemical Name	log Pow
Natural gas - 8006-14-2	2.8

## 12.4. Mobility in soil

### **General Information**

Due to its high volatility, this gas is unlikely to generate soil or water pollution.

### **Air**

Released into the atmosphere, constituents are rapidly diluted and undergo photodegradation.

## 12.5. Results of PBT and vPvB assessment

### **PBT and vPvB assessment**

This substance is considered not to be PBT and vPvB.

## 12.6. Other adverse effects

### **General Information**

No information available.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

<b>Waste from Residues / Unused Products</b>	If elimination of gas in containers or tanks is required, combustion with the aid of appropriate equipment (flare) is the most reliable method. This operation must be carried out only by specifically trained personnel and in accordance with appropriate procedures.
<b>Contaminated packaging</b>	Empty containers may contain flammable or explosive vapors.
<b>EWC Waste Disposal No.</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

### Section 14: TRANSPORT INFORMATION

#### ADR/RID

<b>UN/ID No</b>	UN1972
<b>Proper shipping name</b>	METHANE, REFRIGERATED LIQUID
<b>Hazard class</b>	2
<b>ADR/RID-Labels</b>	2.1 (+13)
<b>Classification Code</b>	3F
<b>Special Provisions</b>	660, 392
<b>Tunnel Restriction Code</b>	(B/D)
<b>ADR Hazard Id (Kemmler Number)</b>	223
<b>Description</b>	UN1972, METHANE, REFRIGERATED LIQUID, 2, (B/D)
<b>Excepted Quantity</b>	E0
<b>Limited quantity</b>	0

#### IMDG/IMO

<b>UN/ID No</b>	UN1972
<b>Proper shipping name</b>	METHANE, REFRIGERATED LIQUID
<b>Hazard class</b>	2.1
<b>EmS No.</b>	F-D, S-U
<b>Description</b>	UN1972, METHANE, REFRIGERATED LIQUID, 2.1
<b>Excepted Quantity</b>	E0
<b>Limited quantity</b>	0

#### ICAO/IATA

<b>Description</b>	Forbidden BY PASSENGER AIR
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#### ADN

<b>UN/ID No</b>	UN1972
<b>Proper shipping name</b>	METHANE, REFRIGERATED LIQUID
<b>Hazard class</b>	2
<b>Hazard Labels</b>	2.1
<b>Classification Code</b>	3F
<b>Special Provisions</b>	392
<b>Description</b>	UN1972, METHANE, REFRIGERATED LIQUID, 2
<b>Excepted Quantity</b>	E0
<b>Limited quantity</b>	0
<b>Ventilation</b>	VE01



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

Equipment Requirements	PP, EX, A
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### Section 15: REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

##### REACH

This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH).

International Inventories	The substance is listed or exempted from listing in the following inventories: Europe (EINECS/ELINCS/NLP) U.S.A. (TSCA) Canada (DSL/NDSL) China (IECSC) Korea (KECL) Australia (AICS) New Zealand (NZIoC)
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Further information

No information available

#### 15.2. Chemical Safety Assessment

<b>Chemical Safety Assessment</b>	Risk management measures and safety conditions of use are included in the relevant sections of the SDS
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### Section 16: OTHER INFORMATION

#### Full text of H-Statements referred to under sections 2 and 3

H220 - Extremely flammable gas

H281 - Contains refrigerated gas; may cause cryogenic burns or injury

#### Abbreviations, acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

bw = body weight

bw/day = body weight/day

EC x = Effect Concentration associated with x% response

GLP = Good Laboratory Practice

IARC = International Agency for Research of Cancer

LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals

LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals

LL = Lethal Loading

NIOSH = National Institute of Occupational Safety and Health



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

NOAEL = No Observed Adverse Effect Level  
 NOEC = No Observed Effect Concentration  
 NOEL = No Observed Effect Level  
 OECD = Organization for Economic Co-operation and Development  
 OSHA = Occupational Safety and Health Administration  
 UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material  
 ATE = Acute Toxicity Estimate  
 QSAR = Quantitative Structure-Activity Relationship  
 EL50 = median Effective Loading  
 NOELR = No Observed Effect Loading Rate  
 PAH = Polycyclic aromatic hydrocarbons  
 LOEC = Lowest Observed Effect Concentration  
 PVA = Polyvinyl alcohol  
 PVC = Polyvinyl chloride  
 ECOSAR = Ecological Structure Activity Relationships  
 CNS = Central nervous system  
 EPA = Environmental Protection Agency  
 ErL50 = effective loading on growth rate in algae test, to cause a 50% response  
 EbL50 = effective loading on growth with the control in algae test, to cause a 50% response  
 DNEL = Derived No Effect Level  
 PNEC = Predicted No Effect Concentration  
 dw = dry weight  
 fw = fresh water  
 mw = marine water  
 or = occasional release

### Legend Section 8

OEL = Occupational Exposure Limit  
 TWA: Time Weight Average  
 STEL: Short Time Exposure Limit  
 PEL: Permissible exposure limit  
 REL: Recommended exposure limit  
 TLV: Threshold Limit Values

+	Sensitizer	*	Skin designation
**	Hazard Designation	C:	Carcinogen
M:	Mutagen	R:	Toxic to reproduction

**Revision Date:** 2020-05-27  
**Revision Note** (M)SDS sections updated: 2, 7, 8, 11, 12, 14.

**Further information** Emergency telephone numbers  
 FRANCE:  
 ORFILA Tél : 01.45.42.59.59  
 PARIS : Hôpital Fernand Widal 200, rue du Faubourg Saint-Denis 75475 Paris Cédex 10 ,  
 Tel : 01.40.05.48.48. - MARSEILLE : Hopital Salvator, 249 bd Ste Marguerite 13274  
 Marseille cedex 5, Tel : 04.91.75.25.25. - LYON : Hopital Hédouard Herriot, 5 place  
 d'Arsonvil, 69437 Lyon cedex 3, Tel : 04.72.11.69.11. - NANCY : Hopital central, 29 Av du  
 Mal De Lattre de Tassigny, 54000 Nancy, Tel : 03.83.32.36.36 ou le SAMU : Tel ( 15 )  
 UK:  
 01923 694000 - NHS Direct: 0845 46 47 / Textphone: 0845 606 46 47



SDS # : 089791

## LIQUIFIED NATURAL GAS (LNG)

Revision Date: 2020-05-27

Version 1.01

**GERMANY:**

Giftnotruf Berlin, Tel. 0049 (0)30 19240 (24 h erreichbar, Beratung in Deutsch und Englisch)

**SPAIN:**

NÚMERO DE EMERGENCIAS 24 HORAS 900 181 566

**BELGIUM:**

Poison center: c/o Hôpital Militaire Reine Astrid - Militair Hospitaal Koningin Astrid, 1 Rue Bruyn - Bruynstraat 1, B-1120 Bruxelles - Brussel  
+32 (0)70 245 245

**NETHERLAND:**

+ 31 (0) 800 0996612

**ITALY :**

Centro Antiveleni Ospedale Niguarda Ca' Granda, Piazza Ospedale Maggiore 3  
Milan 20162 , +39 02 6610 1029.

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.**

**End of the Safety Data Sheet**