Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Synonyms | Fluoro-; Fluoromethane; Freon 41; Halogenated Aliphatic Hydrocarbon; HFC 41;

Methane; Monofluoromethane; R41; Refrigerant Gas R 41

 CAS Number
 | 593-53-3

 Product Code
 | 80007

 EC Number
 | 209-796-6

 Molecular Formula
 | :C 1:H 3:F 1:

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

Relevant identified use(s) Semiconductor Uses

1.3 Details of the supplier of the safety data sheet

Manufacturer | Air Liquide

2700 Post Oak Blvd. Houston, TX 77056 United States

www.us.airliquide.com sds@airliquide.com

Telephone (Technical) 713-896-2896 Telephone (Technical) 800-819-1704

1.4 Emergency telephone number

Manufacturer 800-424-9300 - CHEMTREC

Manufacturer +1 703-527-3887 - Outside United States

Section 2: Hazards Identification

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP | Flammable Gases 1 - H220

Liquefied Gas - H280

Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336

DSD/DPD | Extremely Flammable (F+)

Harmful (Xn)

R12, R67

2.2 Label Elements

CLP

DANGER







Hazard statements

H220 - Extremely flammable gas

H280 - Contains gas under pressure; may explode if heated

H336 - May cause drowsiness or dizziness

Precautionary statements

Prevention P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.

P261 - Avoid breathing gas.

P271 - Use only outdoors or in a well-ventilated area.

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

P381 - Eliminate all ignition sources if safe to do so.

P304+P340 - IF INHĂLED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

P312 - Call a POISON ČENTER or doctor/physician if you feel unwell.

Storage/Disposal | P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of content and/or container in accordance with local, regional,

national, and/or international regulations.

DSD/DPD





Risk phrases |

R12 - Extremely flammable.

R67 - Vapours may cause drowsiness and dizziness.

Safety phrases |

S9 - Keep container in a well ventilated place

S16 - Keep away from sources of ignition - No Smoking.

2.3 Other Hazards

CLP Contact with rapidly expanding gas may cause burns or frostbite.

According to Regulation (EC) No. 1272/2008 (CLP) this material is considered

hazardous.

DSD/DPD Contact with rapidly expanding gas may cause burns or frostbite.

This product is considered dangerous according to the European Directive

67/548/EEC.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 | Flammable Gases 1 - H220

Liquefied Gas - H280

Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336

Hazards Not Otherwise Classified - Health Hazard - Frostbite

2.2 Label elements
OSHA HCS 2012

DANGER







Hazard statements

Extremely flammable gas - H220

Contains gas under pressure; may explode if heated - H280

Preparation Date: 08/December/2014 Revision Date: 08/December/2014 May cause drowsiness or dizziness - H336

Precautionary statements

Prevention | Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. - P210

Avoid breathing gas. - P261

Use only outdoors or in a well-ventilated area. - P271

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

Eliminate all ignition sources if safe to do so. - P381

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing. - P304+P340

Call a PŎISON CENTER or doctor/physician if you feel unwell. - P312

Storage/Disposal | Store in a well-ventilated place. Keep container tightly closed. - P403+P233

Store locked up. - P405

Dispose of content and/or container in accordance with local, regional, national, and/or

international regulations. - P501

2.3 Other hazards

OSHA HCS 2012 Under United States Regulations (29 CFR 1910.1200 - Hazard Communication

Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

Compressed Gas - A Flammable Gases - B1

2.2 Label elements

WHMIS





Compressed Gas - A Flammable Gases - B1

2.3 Other hazards

WHMIS

Contact with rapidly expanding gas may cause burns or frostbite. In Canada, the product mentioned above is considered hazardous under the

Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information



Section 3 - Composition/Information on Ingredients

3.1 Substances

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	
Methyl Fluoride	CAS:593-53-3 EINECS:209-796-6	100%	NDA	EU DSD/DPD: Self Classified - F+ R12; Xn R67 EU CLP: Self Classified - Press Gas - Liq., H280; Flam Gas 1, H220; STOT SE 3:Narc., H336 OSHA HCS 2012: Flam. Gas. 1; Press Gas - Liq.; STOT SE 3: Narc.; HNOC - Health - Frostbite	

3.2 Mixtures

Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim

is not breathing. If signs/symptoms continue, get medical attention.

Skin

If frostbite has occurred, seek medical attention immediately; do NOT rub the affected area(s) or flush them with water. In order to prevent further tissue damage, do NOT

attempt to remove frozen clothing from frostbitten areas. If frostbite has not occurred,

immediately and thoroughly wash contaminated skin with soap and water.

If eye tissue is frozen, seek medical attention immediately; if tissue is not frozen, immediately and thoroughly flush the eyes with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation, pain, swelling, lacrimation or photophobia persist, get medical attention as soon as possible.

If frostbite has occurred, seek medical attention immediately; do NOT rub the affected

area(s) or flush them with water. Never give anything by mouth to an unconscious

person. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

Eye

Ingestion

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

4.4 Other information

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. RESCUERS SHOULD NOT ATTEMPT TO RETRIEVE VICTIMS OF EXPOSURE TO GASES WITHOUT ADEQUATE PERSONAL PROTECTIVE EQUIPMENT. At a minimum, Self-Contained Breathing Apparatus must be worn. Victim(s) who experience any adverse effect after over-exposure to this gas mixture must be taken for medical attention. Rescuers should be taken for medical attention if necessary. Take a copy of the label and the MSDS to physician or other health professional with victim(s).

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media | SMALL FIRES: Dry chemical or CO2.

LARGE FIRES: Water spray or fog.

Unsuitable Extinguishing | No data available

Media

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

I EXTREMELY FLAMMABLE

Will form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Cylinders exposed to fire may vent and release flammable gas through pressure relief

devices.

Containers may explode when heated.

Ruptured cylinders may rocket.

Hazardous Combustion Products

Toxic carbon monoxide may be given off during combustion.

5.3 Advice for firefighters

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

Wear positive pressure self-contained breathing apparatus (SCBA).

DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LÈAK CÁN BE STOPPED

Move containers from fire area if you can do it without risk.

FIRE: If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, consider initial evacuation for 1600 meters (1 mile) in all directions.

FIRE INVOLVING TANKS: ALWAYS stay away from tanks engulfed in fire.

FIRE INVOLVING TANKS: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.

FIRE INVOLVING TANKS: Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

FIRE INVOLVING TANKS: Cool containers with flooding quantities of water until well

after fire is out.

FIRE INVOLVING TANKS: Do not direct water at source of leak or safety devices;

icing may occur.

FIRE INVOLVING TANKS: For massive fire, use unmanned hose holders or monitor

nozzles; if this is impossible, withdraw from area and let fire burn.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ventilate the area before entry. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 800 meters (1/2 mile) Keep unauthorized personnel away. Keep out of low areas. Stay upwind.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

Stop leak if you can do it without risk.

All equipment used when handling the product must be grounded.

If possible, turn leaking containers so that gas escapes rather than liquid. Use water spray to reduce vapors; do not put water directly on leak, spill area or inside container.

Do not direct water at spill or source of leak.

Isolate area until gas has dispersed.

6.4 Reference to other sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal

Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

Keep away from heat and ignition sources – No Smoking. Take precautionary measures against static charges. All equipment used when handling the product must be grounded. Use only non-sparking tools. Use only with adequate ventilation. Ventilate closed spaces before entering. Be aware of any signs of dizziness or fatigue, especially if work is done in a poorly ventilated area; exposures to fatal concentrations of this gas mixture could occur without any significant warning symptoms, due to olfactory fatigue or oxygen deficiency. Cylinders should be firmly secured to prevent falling or being knocked-over. Use explosion-proof - electrical, ventilating and/or lighting equipment. Do not attempt to repair, adjust, or in any other way modify cylinders. If there is a malfunction or another type of operational problem, contact nearest distributor immediately. Empty containers retain product residue and can be hazardous. Do not cut, weld, puncture or incinerate container.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Cylinders should be stored in dry, well-ventilated areas away from sources of heat, ignition and direct sunlight. Do not allow area where cylinders are stored to exceed 52C (125F). Cylinders must be protected from the environment, and preferably kept at room temperature approximately 21C (70F). Protect cylinders against physical damage. Cylinders should be firmly secured to prevent falling or being knocked-over.

7.3 Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines

Currently there are no applicable exposure limits established for this material.

8.2 Exposure controls

Engineering Measures/Controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof - electrical, ventilating and/or lighting equipment.

Personal Protective Equipment

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

Wear safety glasses.

Skin/Body

Wear leather gloves when handling cylinders.

Environmental Exposure

Controls

Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description				
Physical Form	Gas	I Appearance/Description	Colorless gas with an odorless or slightly ethereal odor.	

Color	Colorless	Odor	Odorless or slightly ethereal.
		Odol	Oddriess of slightly efficient.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	рН	Data lacking
Specific Gravity/Relative Density	Data lacking	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	1.013 Air=1
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Flammable gas.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Excess heat, sparks, open flame.

10.5 Incompatible materials

Although this gas is relatively less reactive than other methyl halide gases, the following materials are not compatible with fluorocarbons, such as this gas: strong acids, sodium, potassium, calcium, zinc, magnesium, powdered aluminum, and other active metals. Incompatible with strong oxidizers.

10.6 Hazardous decomposition products

Hydrogen fluoride, vinylidene fluoride and carbonyl fluoride.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

GHS Properties	Classification
A suita tanisitu	EU/CLP Classification criteria not met
Acute toxicity	OSHA HCS 2012 • Classification criteria not met

Aspiration Hazard	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met
Skin corrosion/Irritation	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met
Skin sensitization	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met
STOT-RE	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met
STOT-SE	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met
Respiratory sensitization	EU/CLP Classification criteria not met OSHA HCS 2012 Classification criteria not met
Serious eye damage/Irritation	EU/CLP ◆ Classification criteria not met OSHA HCS 2012 ◆ Classification criteria not met

Potential Health Effects

Inhalation

Acute (Immediate) I May affect the central nervous system. Symptoms may include dizziness,

drowsiness, lethargy, coma and death.

Chronic (Delayed) | No data available

Skin

Acute (Immediate)Contact with gas or liquefied gas will cause burns, severe injury and/or frostbite.

Chronic (Delayed) | No data available

Eye

Acute (Immediate) Contact with gas or liquefied gas will cause burns, severe injury and/or frostbite.

Chronic (Delayed) I No data available

Ingestion

Acute (Immediate)Ingestion can cause burns similar to frostbite.

Chronic (Delayed) | No data available

Section 12 - Ecological Information

12.1 Toxicity

Material data lacking.

12.2 Persistence and degradability

Material data lacking.

12.3 Bioaccumulative potential

Material data lacking.

12.4 Mobility in Soil

Material data lacking.

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment has not been conducted for this material.

12.6 Other adverse effects

No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN2454	Methyl fluoride	2.1	NDA	NDA
TDG	UN2454	METHYL FLUORIDE	2.1	NDA	NDA
IMO/IMDG	UN2454	METHYL FLUORIDE	2.1	NDA	NDA
IATA/ICAO	UN2454	Methyl fluoride	2.1	NDA	NDA

14.6 Special precautions for user

Cylinders should be transported in a secure position, in a well-ventilated vehicle. The transportation of compressed gas cylinders in automobiles or in closed-body vehicles can present serious safety hazards. If transporting these cylinders in vehicles, ensure these cylinders are not exposed to extremely high temperatures (as may occur in an enclosed vehicle on a hot day). Additionally, the vehicle should be well-ventilated during transportation.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

14.8 Other information

This material is forbidden on passenger aircraft.

Section 15 - Regulatory Information

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

SARA Hazard Classifications Acute, Fire, Pressure(Sudden Release of)

State Right To Know				
Component	CAS	MA	NJ	PA
Methyl Fluoride	593-53-3	No	Yes	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Methyl Fluoride	593-53-3	No	Yes	Yes	Yes	No
Inventory (Con't.)						
			Inventory (Co	n't.)		
Component			Inventory (Cor CAS	n't.) TS(CA	

Canada

Canada - WHMIS - Classifications of Substances		
Methyl Fluoride	593-53-3	A
Canada - WHMIS - Ingredient Disclosure List • Methyl Fluoride	593-53-3	Not Listed
Environment		
Canada - CEPA - Priority Substances List • Methyl Fluoride	593-53-3	Not Listed

China

Environment China - Ozone Depleting Substances - First Schedule • Methyl Fluoride	593-53-3	Not Listed
China - Ozone Depleting Substances - Second Schedule • Methyl Fluoride	593-53-3	Not Listed
China - Ozone Depleting Substances - Third Schedule • Methyl Fluoride	593-53-3	Not Listed

Other China - Annex I & II - Controlled Chemicals Lists		
Methyl Fluoride	593-53-3	Not Listed
China - Dangerous Goods List • Methyl Fluoride	593-53-3	
China - Export Control List - Part I Chemicals • Methyl Fluoride	593-53-3	Not Listed

Europe

- O(I)			
Other EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification • Methyl Fluoride	593-53-3	Not Listed	
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits • Methyl Fluoride	593-53-3	Not Listed	
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling • Methyl Fluoride	593-53-3	Not Listed	

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations • Methyl Fluoride	593-53-3	Not Listed	
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases • Methyl Fluoride	593-53-3	Not Listed	
Germany			
Environment			
Germany - TA Luft - Types and Classes • Methyl Fluoride	593-53-3	Not Listed	
Germany - Water Classification (VwVwS) - Annex 1 • Methyl Fluoride	593-53-3	Not Listed	
Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes • Methyl Fluoride	593-53-3	Not Listed	
Germany - Water Classification (VwVwS) - Annex 3 • Methyl Fluoride	593-53-3	Not Listed	
Other			
Germany - Specifically Regulated Chemicals in TRGS • Methyl Fluoride	593-53-3	Not Listed	
Portugal			
Other Portugal - Prohibited Substances • Methyl Fluoride	593-53-3	Not Listed	
United Kingdom			
Environment			
United Kingdom - Pollution Inventory - Schedule 1 - Thresholds for Releases to A • Methyl Fluoride	ir 593-53-3	Not Listed	
Other			
Other United Kingdom - Workplace Exposure Limits (WELs) - Substances in Review • Methyl Fluoride	593-53-3	Not Listed	
United Kingdom - List of Dangerous Substances in Water • Methyl Fluoride	593-53-3	Not Listed	
United States			
Labor			
U.S OSHA - Process Safety Management - Highly Hazardous Chemicals • Methyl Fluoride	593-53-3	Not Listed	
U.S OSHA - Specifically Regulated Chemicals • Methyl Fluoride	593-53-3	Not Listed	
Environment			
U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants • Methyl Fluoride	593-53-3	Not Listed	

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U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities • Methyl Fluoride	593-53-3	Not Listed
U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities • Methyl Fluoride	593-53-3	Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs • Methyl Fluoride	593-53-3	Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs • Methyl Fluoride	593-53-3	Not Listed
U.S CERCLA/SARA - Section 313 - Emission ReportingMethyl Fluoride	593-53-3	Not Listed
U.S CERCLA/SARA - Section 313 - PBT Chemical Listing • Methyl Fluoride	593-53-3	Not Listed

United States - California

Environment		
U.S California - Proposition 65 - Carcinogens List		
Methyl Fluoride	593-53-3	Not Listed
U.S California - Proposition 65 - Developmental ToxicityMethyl Fluoride	593-53-3	Not Listed
U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL) • Methyl Fluoride	593-53-3	Not Listed
U.S California - Proposition 65 - No Significant Risk Levels (NSRL)Methyl Fluoride	593-53-3	Not Listed
U.S California - Proposition 65 - Reproductive Toxicity - FemaleMethyl Fluoride	593-53-3	Not Listed
U.S California - Proposition 65 - Reproductive Toxicity - MaleMethyl Fluoride	593-53-3	Not Listed

United States - Pennsylvania

Labor U.S Pennsylvania - RTK (Right to Know) - Environmental Ha • Methyl Fluoride	azard List 593-53-3	Not Listed	
U.S Pennsylvania - RTK (Right to Know) - Special Hazardou • Methyl Fluoride	us Substances 593-53-3	Not Listed	

15.2 Chemical Safety Assessment

1 No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date Preparation Date Disclaimer/Statement of Liability

08/December/2014

08/December/2014

To the best of Air Liquide's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. If this gas mixture is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

Key to abbreviations NDA = No Data Available

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