Safety Data Sheet

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

1.1 Product identifier

Product Name • **Dimethyl Sulfide (0.0001-0.0002%), Ethylene(Balance)**

Product Code • M-D201/E-1

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

Relevant identified use(s) • Please provide product use

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

Manufacturer • +1 703-527-3887

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
Compressed Gas - H280
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336

DSD/DPD • Extremely Flammable (F+)

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 INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER 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
- This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces.
According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD
- This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces.
According to European Directive 1999/45/EC this preparation is considered dangerous.

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
Compressed Gas - H280
Eye Irritation 2A - H319
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
Simple Asphyxiant

2.2 Label elements

OSHA HCS 2012

DANGER

Hazard statements
- Extremely flammable gas - H220
Contains gas under pressure; may explode if heated - H280
Causes serious eye irritation - H319
May cause drowsiness or dizziness - H336
May displace oxygen and cause rapid suffocation.

Precautionary statements

Prevention
- Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. - P210
Avoid breathing gas. - P261
Wash thoroughly after handling. - P264
Use only outdoors or in a well-ventilated area. - P271
Wear protective gloves/protective clothing/eye protection/face protection. - P280

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 POISON CENTER or doctor/physician if you feel unwell. - P312
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
If eye irritation persists: Get medical advice/attention. - P337+P313

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
Other Toxic Effects - D2B

2.2 Label elements

WHMIS

- Compressed Gas - A
Flammable Gases - B1
Other Toxic Effects - D2B

2.3 Other hazards

WHMIS
- This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces.
In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

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

3.2 Mixtures

Composition				
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**
Dimethyl Sulfide	**CAS:**75-18-3 **EC Number:**200-846-2	0.0001% TO 0.0002%	Ingestion/Oral-Rat LD50 • 3300 mg/kg Inhalation-Rat LC50 • 40250 ppm Skin-Rabbit LD50 • >5 g/kg	**EU DSD/DPD:** Self Classified: F, R11; Xi, R36, R67 **EU CLP:** Self Classified: Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3: Narc., H336 **OSHA HCS 2012:** Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3: Narc.
Ethylene	**CAS:**74-85-1 **EC Number:**200-815-3	Balance	Ingestion/Oral-Rat LD50 • 3300 mg/kg Skin-Rabbit LD50 • >5 g/kg	**EU DSD/DPD:** Annex I: F+; R12 R67 **EU CLP:** Annex VI: Flam. Gas 1, H220; Press. Gas - Comp., H280, STOT SE 3: Narc., H336 **OSHA HCS 2012:** Eye Irrit. 2A; Press. Gas - Comp.; Flam. Gas 1; STOT SE 3: Narc.

See Section 16 for full text of H-statements and R-phrases.

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
- Although exposure is unlikely, in case of contact immediately flush skin with running water. If skin irritation develops get medical advice/attention.

Eye
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If eye irritation persists: Get medical advice/attention.

Ingestion
- Ingestion is not considered a potential route of exposure.

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
- 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 Media
- No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion
- EXTREMELY FLAMMABLE

Hazards

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 fumes of sulfur oxides and carbon monoxide.

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.
Wear positive pressure self-contained breathing apparatus (SCBA).
DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN 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. 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 spreading of vapors through sewers, ventilation systems and confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- All equipment used when handling the product must be grounded.
Stop leak if you can do it without risk.
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. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing gas. 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. Store locked up.

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						
	Result	**ACGIH**	**Canada Ontario**	**Ireland**	**Israel**	**Portugal**
Dimethyl Sulfide (75-18-3)	TWAs	10 ppm TWA	10 ppm TWA	20 ppm TWA	10 ppm TWA	10 ppm TWA [VLE-MP]

Exposure Limits/Guidelines (Con't.)			
	Result	**Spain**	**Sweden**
Dimethyl Sulfide (75-18-3)	TWAs	10 ppm TWA [VLA-ED]	1 ppm LLV (applies to the sum total of the concentrations of Dimethyl disulfide, Dimethyl sulfide and Methyl mercaptan)

Exposure Control Notations

Portugal

•Ethylene (74-85-1): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

Ireland

•Ethylene (74-85-1): **Simple Asphyxiants:** (Asphyxiant)

Germany TRGS

•Ethylene (74-85-1): **Carcinogens:** (Based on current data, this substance cannot be classified in categories 1-3) | **Developmental Toxins:** (Based on current data, this substance cannot be classified in categories 1-3) | **Reproductive Toxins:** (Based on current data, this substance cannot be classified in categories 1-3) | **Germ Cell Mutagens:** (Category 3)

Germany DFG

•Ethylene (74-85-1): **Carcinogens:** (Category 3B (could be carcinogenic for man))

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.
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.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
LLV = Limit Level Value is the exposure limit for 8-hour work day
STEL = Short Term Exposure Limits are based on 15-minute exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Gas	Appearance/Description	Colorless gas with sweet odor.
Color	Colorless	Odor	Sweet odor.
Odor Threshold	Data lacking		
General Properties			
Boiling Point	-104 C(-155.2 F) Ethylene	Melting Point	-169 C(-272.2 F) Ethylene
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	Data lacking	Water Solubility	131 mg/L @ 20 C(68 F) Ethylene
Viscosity	Data lacking	Explosive Properties	Not explosive.
Oxidizing Properties:	Not an oxidizer.		
Volatility			
Vapor Pressure	42700 hPa @ 0 C(32 F) Ethylene	Vapor Density	0.98 Air=1 Ethylene
Evaporation Rate	Data lacking		
Flammability			
Flash Point	-136 C(-212.8 F) Ethylene	UEL	Data lacking
LEL	Data lacking	Autoignition	450 C(842 F) Ethylene
Flammability (solid, gas)	Flammable gas.		
Environmental			
Octanol/Water Partition coefficient	0.053 Kow Ethylene		

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

- Strong oxidizers. Reacts violently with AlCl3, O3, CCl4, benzoyl peroxide, bromotrichloromethane, and nitromethane with AlCl3.

10.6 Hazardous decomposition products

- Toxic carbon monoxide. Sulfur oxides.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Dimethyl Sulfide (0.0001% TO 0.0002%)	75-18-3	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 3300 mg/kg; *Behavioral*:**General anesthetic**; *Behavioral*:**Changes in motor activity (specific assay)**; *Behavioral*:**Irritability**; Skin-Rabbit LD50 • >5 g/kg; **Irritation:** Eye-Rabbit • 250 µg 24 Hour(s) • Severe irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation
Ethylene (99.9998% TO 99.9999%)	74-85-1	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 3300 mg/kg; Skin-Rabbit LD50 • >5 g/kg; **Irritation:** Eye-Rabbit • 24 Hour(s) • Severe irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation

GHS Properties	Classification
Acute toxicity	**EU/CLP** • Classification criteria not met **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** • Eye Irritation 2A

Potential Health Effects

Inhalation

Acute (Immediate)
- This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces. If this material is released in a small, poorly ventilated area (i.e. an enclosed or confined space), an oxygen-deficient environment may occur. Individuals breathing such an atmosphere may experience symptoms which include headaches, ringing in ears, dizziness, drowsiness, unconsciousness, nausea, vomiting, and depression of all the senses. Under some circumstances of over-exposure, death may occur. The following effects associated with decreased levels of oxygen: increase in breathing and pulse rate, emotional upset, abnormal fatigue, nausea, vomiting, collapse, loss of consciousness, convulsive movements, respiratory collapse and death. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Chronic (Delayed)
- No data available

Skin

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- No data available

Eye

Acute (Immediate)
- Causes serious eye irritation.

Chronic (Delayed)
- No data available

Ingestion

Acute (Immediate)
- Ingestion is not anticipated to be a likely route of exposure to this product.

Chronic (Delayed)
- No data available

Key to abbreviations

LD = Lethal Dose

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

- No PBT and vPvB assessment has been conducted.

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	UN1954	Compressed gas, flammable, n.o.s. (Ethylene)	2.1	NDA	NDA
TDG	UN1954	COMPRESSED GAS, FLAMMABLE, N.O.S. (Ethylene)	2.1	NDA	NDA
IMO/IMDG	UN1954	COMPRESSED GAS, FLAMMABLE, N.O.S. (Ethylene)	2.1	NDA	NDA
IATA/ICAO	UN1954	Compressed gas, flammable, n.o.s. (Ethylene)	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.

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**
Dimethyl Sulfide	75-18-3	Yes	Yes	Yes

Inventory						
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**China**	**EU EINECS**	**EU ELNICS**
Dimethyl Sulfide	75-18-3	Yes	No	Yes	Yes	No

Inventory (Con't.)		
Component	**CAS**	**TSCA**
Dimethyl Sulfide	75-18-3	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Dimethyl Sulfide	75-18-3	B2, D2B

Canada - WHMIS - Ingredient Disclosure List

• Dimethyl Sulfide	75-18-3	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Dimethyl Sulfide	75-18-3	Not Listed

China

Environment

China - Ozone Depleting Substances - First Schedule

• Dimethyl Sulfide	75-18-3	Not Listed

China - Ozone Depleting Substances - Second Schedule

• Dimethyl Sulfide	75-18-3	Not Listed

China - Ozone Depleting Substances - Third Schedule

• Dimethyl Sulfide	75-18-3	Not Listed

Other

China - Annex I & II - Controlled Chemicals Lists

• Dimethyl Sulfide	75-18-3	Not Listed

China - Dangerous Goods List

• Dimethyl Sulfide	75-18-3	

China - Export Control List - Part I Chemicals

• Dimethyl Sulfide	75-18-3	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Dimethyl Sulfide	75-18-3	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Dimethyl Sulfide	75-18-3	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Dimethyl Sulfide	75-18-3	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Dimethyl Sulfide	75-18-3	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Dimethyl Sulfide	75-18-3	Not Listed

Germany

Environment

Germany - TA Luft - Types and Classes

• Dimethyl Sulfide	75-18-3	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Dimethyl Sulfide	75-18-3	Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Dimethyl Sulfide	75-18-3	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

• Dimethyl Sulfide	75-18-3	ID Number 2348, hazard class 1 - low hazard to waters

Other

Germany - Specifically Regulated Chemicals in TRGS

• Dimethyl Sulfide	75-18-3	Not Listed

Portugal

Other

Portugal - Prohibited Substances

• Dimethyl Sulfide	75-18-3	Not Listed

United Kingdom

Environment

United Kingdom - Pollution Inventory - Schedule 1 - Thresholds for Releases to Air

• Dimethyl Sulfide	75-18-3	Not Listed

Other

United Kingdom - Workplace Exposure Limits (WELs) - Substances in Review

• Dimethyl Sulfide	75-18-3	Not Listed

United Kingdom - List of Dangerous Substances in Water

• Dimethyl Sulfide	75-18-3	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Dimethyl Sulfide	75-18-3	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Dimethyl Sulfide	75-18-3	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Dimethyl Sulfide	75-18-3	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Dimethyl Sulfide	75-18-3	Not Listed

United States - Pennsylvania

Labor

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

• Dimethyl Sulfide	75-18-3	

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Dimethyl Sulfide	75-18-3	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H225 - Highly flammable liquid and vapour
  H319 - Causes serious eye irritation
  R11 - Highly flammable.
  R36 - Irritating to eyes.

Last Revision Date
- 05/September/2014

Preparation Date
- 05/September/2014

Disclaimer/Statement of Liability
- 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