











## FRESH GAS (= < 20% CO<sub>2</sub> in Oxygen)

**SDS 00204**

### SECTION 10. Stability and reactivity (continued)

: May react violently with combustible materials.  
May react violently with reducing agents.

#### 10.6. Hazardous decomposition products

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

### SECTION 11. Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: No known toxicological effects from this product.
Rat inhalation LC50 [ppm/4h]	: No data available.
Skin corrosion/irritation	: No known effects from this product.
Serious eye damage/irritation	: No known effects from this product.
Respiratory or skin sensitisation	: No known effects from this product.
Carcinogenicity	: No known effects from this product.
Germ cell mutagenicity	: No known effects from this product.
STOT-single exposure	: No known effects from this product.
STOT-repeated exposure	: No known effects from this product.
Aspiration hazard	: Not applicable for gases and gas-mixtures.

### SECTION 12. Ecological information

#### 12.1. Toxicity

	: Classification criteria are not met.
EC50 48h - Daphnia magna [mg/l]	: No data available.
EC50 72h Algae [mg/l]	: No data available.
LC50-96 h - fish [mg/l]	: No data available.

#### 12.2. Persistence and degradability

: No data available.

#### 12.3. Bioaccumulative potential

: No data available.

#### 12.4. Mobility in soil

: No data available.

#### 12.5. Results of PBT and vPvB assessment

: No data available.

#### 12.6. Other adverse effects

Effect on ozone layer	: None.
Effect on the global warming	: Contains greenhouse gas(es) not covered by 842/2006/EC.

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**SECTION 13. Disposal considerations**

**13.1. Waste treatment methods**

: Ensure that the emission levels from local regulations or operating permits are not exceeded.

Refer to the EIGA code of practice Doc.30 "Disposal of Gases", downloadable at <http://www.eiga.org> for more guidance on suitable disposal methods.

Do not discharge into any place where its accumulation could be dangerous.  
Contact supplier if guidance is required.

List of hazardous wastes

: 16 05 04: Gases in pressure containers (including halons) containing dangerous substances.

**13.2. Additional information**

: None.

**SECTION 14. Transport information**

UN number : 3156

Labelling ADR, IMDG, IATA



: 2.2 : Non-flammable, non-toxic gases

5.1 : Oxidizing substances

**Land transport (ADR/RID)**

H.I. nr : 25

UN proper shipping name : COMPRESSED GAS, OXIDIZING, N.O.S. (Oxygen, Carbon dioxide)

Transport hazard class(es) : 2

Classification code : 1 O

Packing Instruction(s) : P200

Tunnel Restriction : E : Passage forbidden through tunnels of category E.

Environmental hazards : None.

**Sea transport (IMDG)**

Proper shipping name : COMPRESSED GAS, OXIDIZING, N.O.S. (Oxygen, Carbon dioxide)

Class : 2.2

Emergency Schedule (EmS) - Fire : F-C

Emergency Schedule (EmS) - Spillage : S-W

Packing instruction : P200

IMDG-Marine pollutant : No

**Air transport (ICAO-TI / IATA-DGR)**

Proper shipping name (IATA) : COMPRESSED GAS, OXIDIZING, N.O.S. (Oxygen, Carbon dioxide)

Class : 2.2

Passenger and Cargo Aircraft : Allowed.

Packing instruction - Passenger and Cargo Aircraft : 200

Cargo Aircraft only : Allowed.

Packing instruction - Cargo Aircraft only : 200

**Special precautions for user**

: Avoid 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.



# SAFETY DATA SHEET

Page : 8 / 8

Revised edition no : 0

Date : 26 / 08 / 2014

Supersedes : 0 / 0 / 0

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#### SECTION 14. Transport information (continued)

Before transporting product containers:

- Ensure there is adequate ventilation.
- Ensure that containers are firmly secured.
- Ensure cylinder valve is closed and not leaking.
- Ensure valve outlet cap nut or plug (where provided) is correctly fitted.
- Ensure valve protection device (where provided) is correctly fitted.

#### SECTION 15. Regulatory information

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

###### EU legislation

Seveso directive 96/82/EC : Covered.

###### National legislation

National legislation : Ensure all national/local regulations are observed.

##### 15.2. Chemical safety assessment

: A CSA does not need to be carried out for this product.

#### SECTION 16. Other information

**Indication of changes** : Revised safety data sheet in accordance with commission regulation (EU) No 453/2010.

**Training advice** : Receptacle under pressure.

**List of full text of R-phrases in section 3.** : R8 : Contact with combustible material may cause fire.

**List of full text of H-statements in section 3.** : H270 - May cause or intensify fire; oxidiser.  
H280 - Contains gas under pressure; may explode if heated.

**Further information** : Classification in accordance with calculation methods of regulation (EC) 1272/2008 CLP / (EC) 1999/45 DPD.  
This Safety Data Sheet has been established in accordance with the applicable European Union legislation.

**DISCLAIMER OF LIABILITY** : Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.  
Details given in this document are believed to be correct at the time of going to press. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

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