



SAFETY DATA SHEET

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2% sulphur hexafluoride in nitrogen

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SECTION 9. Physical and chemical properties (continued)

SECTION 10. Stability and reactivity

10.1. Reactivity

: No reactivity hazard other than the effects described in sub-sections below.

10.2. Chemical stability

: Stable under normal conditions.

10.3. Possibility of hazardous reactions

: None.

10.4. Conditions to avoid

: Avoid moisture in installation systems.

10.5. Incompatible materials

: For additional information on compatibility refer to ISO 11114.

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

: 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

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SECTION 12. Ecological information (continued)

: No data available.

12.6. Other adverse effects

Effect on ozone layer

: None.

Effect on the global warming

: Contains fluorinated greenhouse gases covered by the Kyoto protocol.
Calculated GWP of mixture : 2135.
For quantities refer to cylinder label.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

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

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

13.2. Additional information

: None.

SECTION 14. Transport information

UN number

: 1956

Labelling ADR, IMDG, IATA



: 2.2 : Non-flammable, non-toxic gases

Land transport (ADR/RID)

H.I. nr

: 20

UN proper shipping name

: COMPRESSED GAS, N.O.S. (Nitrogen, Sulphur hexafluoride)

Transport hazard class(es)

: 2

Classification code

: 1 A

Packing group

: P200

Packing Instruction(s)

: P200

Tunnel Restriction

: E : Passage forbidden through tunnels of category E.

Sea transport (IMDG)

Proper shipping name

: COMPRESSED GAS, N.O.S. (Nitrogen, Sulphur hexafluoride)

Class

: 2.2

Emergency Schedule (EmS) - Fire

: F-C

Emergency Schedule (EmS) - Spillage

: S-V

Packing instruction

: P200

Air transport (ICAO-TI / IATA-DGR)

Proper shipping name (IATA)

: COMPRESSED GAS, N.O.S. (Nitrogen, Sulphur hexafluoride)

Class

: 2.2

Passenger and Cargo Aircraft

: Allowed.

Packing instruction - Passenger and
Cargo Aircraft

: 200

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SECTION 14. Transport information (continued)

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.
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 : Not 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 H-statements in section 3. : 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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