

SDS - Safety Data Sheet

According to REACH (EC 1907/2006, Article 31), this product is an unintended release article, so there is no requirement to prepare and provide a safety data sheet. This safety data sheet is solely an information document for the purpose of classifying the product and providing guidance in relation to safety, the environment and transport.

Section 1 Identification of the substance / mixture and of the company / undertaking


| | | |
|-----|---|---|
| 1.1 | Product identifier Trade name: | Industrial X-ray Products |
| 1.2 | Relevant identified uses of the substance or the mixture and uses advised against Product use: | X-ray inspection |
| 1.3 | Details of the supplier of the safety data sheet Company: | Comet Technologies Denmark A/S Helgeshøj Alle 38 2630 Taastrup Denmark |
| | Contact: | T +45 72 40 77 00 mail.xray.dk@comet.tech |
| | Website: | www.comet-xray.com |
| 1.4 | Emergency telephone number Emergency number: | Use your national or local emergency number, see section 4 "First aid measures" |

Section 2 Hazards identification

| | |
|-----|---|
| 2.1 | Classification of the substance or mixture CLP 1272/2008 This product is classified as an article under REACH and is not subject to the requirements for information in the supply chain (safety sheets and labels) |
| 2.2 | Label elements Not classified |
| 2.3 | Other hazards No additional information available |

Section 3 Composition / information on ingredients

3.1 Substance

| Substance name | Product identifiers | Weight % content | Hazards | SCL/M-factor/ATE |
|----------------------|---------------------------------------|------------------|--|------------------|
| Sulphur hexafluoride | CAS no. 2551-62-4 EC no. 219-854-2 | >99% | Press. Gas: H280  | None |

- 3.2 Mixture
Not applicable.
- 3.3 Additional information
See full text of H-phases in chapter 16.

Section 4 First aid measures

- 4.1 Description of first aid measures
General information: I In case of emergency and doubts about the injured person's condition or if any symptoms continue please contact a doctor or the emergency room.
- Inhalation: Move the person to fresh air area and keep at rest in a position comfortable for breathing. If the person feels unwell or if in doubt seek medical advice/attention.
- Skin contact: Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice / attention.
- Eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Get immediate medical advice/attention.
- Ingestion: Ingestion is not considered a potential route of exposure.
- 4.2 Most important symptoms and effects, both acute and delayed
None known.
- 4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Section 5 Firefighting measures

- 5.1 Extinguishing media
Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
- 5.2 Special hazards arising from the substance or mixture
Fire hazard: The product is not flammable. May emit hazardous fumes under fire conditions, avoid inhalations.
- 5.3 Advice for firefighters
Protection during firefighting: Standard protective clothing and equipment (e.g. self-contained breathing apparatus)

Section 6 Accidental release measure

- 6.1 Personal precautions, protective equipment and emergency procedures
None known.
In case of Sulphur Hexafluoride leakage, avoid inhalations of vapor and contact with eyes and skin.
- 6.2 Environmental precautions
In case of Sulphur Hexafluoride leakage, try to stop release if safe to do so.
- 6.3 Methods and material for containment and cleaning up
For containment: In case of Sulphur Hexafluoride leakage, try to stop release if safe to do so.
- Methods for cleaning up: Dispose of this equipment in accordance with local regulation.
- 6.4 Reference to other sections
See section 13 Disposal considerations with regard to the handling of waste. See section 8 Exposure controls/personal protection for protective measure.

Section 7 Handling and storage

- 7.1 Precautions for safe handling
Do not handle until all safety precautions have been read and understood. If in doubt, contact supplier.
- 7.2 Conditions for safe storage, including any incompatibilities
Avoid mechanical abuse. Storage at high temperatures should be avoided.
- 7.3 Specific end use(s)
This product should only be used for applications described in Section 1.2

Section 8 Exposure controls / Personal protection

- 8.1 Control parameters
- | Sulphur hexafluoride | | | |
|---------------------------|--------------------|--------------------------|--------------------|
| Limit value – Eight hours | | Limit value – Short term | |
| ppm | mg/cm ³ | ppm | mg/cm ³ |
| 1000 | 6070 | 1250 | 7590 |
- 8.2 Exposure controls
- Appropriate controls: No specific technical measures.
- Respiratory protection: Not necessary under conditions of normal use. Only relevant if leak of Sulphur Hexafluoride, seek fresh air.
- Hand protection: Not necessary under conditions of normal use. Only relevant if leak of Sulphur Hexafluoride.
- Eye protection: Not necessary under conditions of normal use. Only relevant if leak of Sulphur Hexafluoride.
- Body protection: Not necessary under conditions of normal use. Only relevant if leak of Sulphur Hexafluoride.
- Environmental exposure controls: Refer to local regulations for restriction of emissions to the atmosphere.

Section 9 Physical and chemical properties

| | | |
|-----|---|---|
| 9.1 | Information on basic physical and chemical properties | |
| | Appearance: | Article |
| | Color: | N/A |
| | Odor: | N/A |
| | pH: | N/A |
| | Boiling point (Sulphur Hexafluoride) | -62,55 °C |
| | Critical temperature (Sulphur Hexafluoride): | 46,55 °C |
| | Solubility (Sulphur Hexafluoride): | Water 41 mg/l |
| 9.2 | Other information | |
| | Additional information (Sulphur Hexafluoride): | Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. |

Section 10 Stability and reactivity

| | | |
|------|--|--|
| 10.1 | Reactivity | |
| | Stable product under normal conditions. | |
| 10.2 | Chemical stability | |
| | Stable under normal condition. | |
| 10.3 | Possibility of hazardous reactions | |
| | None known | |
| 10.4 | Conditions to avoid | |
| | Heating, mechanical abuse. | |
| 10.5 | Incompatible materials | |
| | None known | |
| 10.6 | Hazardous decomposition products | |
| | May emit hazardous fumes under fire conditions, avoid inhalations. | |

Section 11 Toxicological information

| | | |
|------|--------------------------------------|----------------|
| 11.1 | Information on toxicological effects | |
| | Acute toxicity: | Not classified |
| | Skin corrosion/irritation: | Not classified |
| | Serious eye damage/irritation: | Not classified |
| | Respiratory or skin sensitization: | Not classified |
| | Germ cell mutagenicity: | Not classified |
| | Carcinogenicity: | Not classified |
| | Reproductive toxicity: | Not classified |

| | |
|---|----------------|
| Specific target organ toxicity (single exposure): | Not classified |
| Specific target organ toxicity (repeated exposure): | Not classified |
| Aspiration hazard: | Not classified |

Section 12 Ecological information

| | | |
|------|---|-------------------------------------|
| 12.1 | Toxicity No additional information available. | |
| 12.2 | Persistence and degradability Not relevant, product is an article. | |
| 12.3 | Bio accumulative potential No potential. | |
| 12.4 | Mobility in soil Not relevant, product is an article. | |
| 12.5 | Results of PBT and vPvB assessment This substance contains no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. | |
| 12.6 | Endocrine disrupting properties The product does not contain any components with known endocrine-disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in a concentration of 0.1% or higher. | |
| 12.7 | Other adverse effects Effect on ozone layer (only in case of Sulphur Hexafluoride leakage): | No known effects from this product. |
| 12.8 | Additional information Global warming potential [CO ₂ =1] (only in case of Sulphur Hexafluoride leakage): | 22200 |

Section 13 Disposal considerations

| | | |
|------|---|--|
| 13.1 | Waste treatment methods Waste treatment methods: | Dispose of contents/container/article in accordance with national regulations. |
| | Waste disposal recommendations: | Refer to manual or contact supplier if guidance is required. |

Section 14 Transport information

Road/Rail transport (ADR/RID)



| | |
|-----------------------------|---|
| ADR/RID marking | 2.2 Non-flammable gas |
| UN number | 3538 |
| Proper shipping name | Articles containing non-flammable, non-toxic gas, N.O.S. (Sulphur Hexafluoride) |
| Class | 2 |
| Classification code | 6A |
| Packing instruction | P006 |
| ADR tunnel restriction code | (E) |

Sea transport (IMDG)



| | |
|----------------------|---|
| IMDG marking | 2.2 Non-flammable gas |
| UN number | 3538 |
| Proper shipping name | Articles containing non-flammable, non-toxic gas, N.O.S. (Sulphur Hexafluoride) |
| Class | 2.2 |
| Packing instruction | P006 |
| EMS-code | F-C, S-V |
| Stowage category | A |

Air transport (ICAO-TI / IATA-DGR)



| | |
|---|---|
| ICAO-TI / IATA-DGR marking | 2.2 Non-flammable gas |
| UN number | 3538 |
| Proper shipping name | Articles containing non-flammable, non-toxic gas, N.O.S. (Sulphur Hexafluoride) |
| Class | 2.2 |
| Passenger and Cargo Aircraft | Allowed according to SP225 |
| Packing instruction - Passenger and Cargo Aircraft Only | 222 |
| Cargo Aircraft Only | Allowed according to SP225 |
| Packing instruction - Cargo Aircraft Only | 222 |
| Special Provision | 225 |

| Product family | Gas amount of SF6 (kg) | Equipment Net. Weight (kg) |
|------------------------|------------------------|----------------------------|
| ECO 160DS | 0,125 | 13 |
| ECO 200DS | 0,145 | 14 |
| EVO 160D | 0,125 | 22 |
| EVO 160DW | 0,125 | 24 |
| EVO 200D | 0,145 | 23 |
| EVO 200DW | 0,145 | 25 |
| EVO 200P | 0,145 | 28 |
| EVO 225D & DS | 0,170 | 26 |
| EVO 225D/1200 | 0,190 | 28 |
| EVO 225DW & DSW | 0,170 | 28 |
| EVO 300D & DS | 0,255 | 29 |
| EVO 300D/1200 | 0,300 | 36 |
| EVO 300DW & DSW | 0,255 | 31 |
| EVO 300P | 0,255 | 36 |
| HMB 160 | 0,990 | 30 |
| HMB 225 | 0,965 | 31 |
| ION 300F & Y.XPO 300FB | 0,300 | 37 |
| XMB 100 System | 0,990 | 180 |
| XMB 160 System | 0,990 | 184 |
| XMB 225 System | 0,965 | 190 |

Section 15 Regulatory information

Not available

Section 16 Other information

Full text of H-phrases as mentioned in section 3:

H280 Contains gas under pressure; may explode if heated.

Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.