

MSDS - Material Safety Data Sheet

Section 1 Identification of the substance / mixture and of the company / undertaking	
1.1	Product identifier Trade name: Mobile X-ray Systems
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 www.comet-xray.com 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 articles under REACH and are 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 This chemical is contained in a sealed cylinder. Risk of exposure occurs only if the product is mechanically abused.
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:

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:

Only relevant in case of Sulphur Hexafluoride leakage. 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:

Only relevant in case of Sulphur Hexafluoride leakage. Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice / attention.

Eye contact:

Only relevant in case of Sulphur Hexafluoride leakage. 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
Not relevant.
- 8.2 Exposure controls
Appropriate controls:
Respiratory protection:
No specific technical measures.
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	Solid
	Appearance:	
	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	<p>Information on toxicological effects Acute toxicity: Not classified</p> <p>Skin corrosion/irritation: Not classified</p> <p>Serious eye damage/irritation: Not classified</p> <p>Respiratory or skin sensitization: Not classified</p> <p>Germ cell mutagenicity: Not classified</p> <p>Carcinogenicity: Not classified</p> <p>Reproductive toxicity: Not classified</p> <p>Specific target organ toxicity (single exposure): Not classified</p> <p>Specific target organ toxicity (repeated exposure): Not classified</p> <p>Aspiration hazard: Not classified</p>
Section 12 Ecological information	
12.1	<p>Toxicity No additional information available.</p>
12.2	<p>Persistence and degradability Not relevant, product is an article.</p>
12.3	<p>Bio accumulative potential No potential.</p>
12.4	<p>Mobility in soil Not relevant, product is an article.</p>
12.5	<p>Other adverse effects Effect on ozone layer (only in case of Sulphur Hexafluoride leakage): No known effects from this product.</p> <p>Global warming potential [CO₂=1] (only in case of Sulphur Hexafluoride leakage): 22200</p>
Section 13 Disposal considerations	
13.1	<p>Waste treatment methods Waste treatment methods: Dispose of contents/container/article in accordance with national regulations.</p> <p>Waste disposal recommendations: Refer to manual or contact supplier if guidance is required.</p>

Section 14 Transport information

UN number

3164

IMDG and IATA marking



2.2 Non-flammable gas

Road/Rail transport (ADR/RID)

Exemption

Not subject for ADR/RID

UN number

3164

Proper shipping name

Articles, pressurized, pneumatic

Class

2.2

Labelling

No labelling according to ADR/RID, see section

1.6.1.46, transition period till 31st of December 2022

Other Information

Carriage in accordance with 1.1.4.2.1

Not subject to ADR according to SP594

Sea transport (IMDG)

UN number

3164

Proper shipping name

Articles, pressurized, pneumatic

Class

2.2

Air transport (ICAO-TI / IATA-DGR)

UN number

3363

Proper shipping name

Dangerous goods in apparatus

Class

9

Passenger and Cargo Aircraft

Forbidden*

Packing instruction - Passenger and

Cargo Aircraft Only

Cargo Aircraft Only

Packing instruction - Cargo Aircraft

Only

Forbidden*

***) The equipment does not comply with packing instruction 208(a) therefore being forbidden to transport by passenger and / or cargo aircrafts, due to the pressure burst disc installed in the generator.**

Product family (Item numbers)	Gas amount of SF6 in grams (g)
Mobile X-ray generator XMB/HMB 160 kV 9421-170-30552	990
Mobile X-ray generator XMB/HMB 225 kV 9421-170-30502	965

Section 15 Regulatory information

Not available

Section 16 Other information

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

Additional information:

H280 Contains gas under pressure; may explode if heated.

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.

Name/Title of Signatory
CARLOS DIAZ

Place and Date
SHELTON CT 06484 10/18/2022

Signature
(see warning above)

SUBJECT TO THE TERMS AND CONDITIONS OF THE UNIFORM BILL OF LADING --- QUESTIONS? CALL 1.866.393.4585



FedEx® Freight						Date 10/18/2022	Purchase Order # B011944B
Shipper #						Shipment #	Shipment #
REQUIRED: Please select a service type <input type="checkbox"/> FedEx Freight® Priority <input checked="" type="checkbox"/> FedEx Freight® Economy						OPTIONAL: You may select a money-back guarantee delivery (charges and tariff limitations may apply). <input type="checkbox"/> AM Delivery <input type="checkbox"/> Close of Business Delivery	
SHIPPER (from)						CONSIGNEE (to)	
Shipper: COMET TECHNOLOGIES Attn. to CARLOS DIAZ Address 100 TRAP FALLS ROAD EXTENSION Address (Store, Dept., Ste., Flr., Apt., Div.) Address City SHELTON State/Province CT ZIP/Postal Code 06484 Country US Accessorial Charges <input type="checkbox"/> Liftgate <input type="checkbox"/> Inside Pickup <input type="checkbox"/> Limited Access Shipper Bill of Lading # Special Instructions						Consignee: GRAHAM MFG. CO. INC. Attn. to Address 20 FLORENCE AVE Address (Store, Dept., Ste., Flr., Apt., Div.) Address City BATAVIA State/Province NY ZIP/Postal Code 14820-3318 Country US Accessorial Charges <input type="checkbox"/> Liftgate <input type="checkbox"/> Inside Delivery <input type="checkbox"/> Limited Access Custom Delivery Window:	
SHIP FREIGHT CHARGES TO (if different than above):							
Name COMET TECHNOLOGIES City SHELTON						FX# Acct.# 90995114	Phone Number 447-3171
State CT						ZIP/Postal Code 06484	Country US
Mailing Address 100 TRAP FALLS RD EXT						Area Code	Phone Number
C.O.D.						The letters "C.O.D." must appear in box before consignee's name above.	
Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT <input type="checkbox"/>						1. C.O.D. funds to be collected as: <input type="checkbox"/> Certified Funds <input type="checkbox"/> Company Check <input type="checkbox"/> Personal Check 2. C.O.D. fee to be paid by: <input type="checkbox"/> Shipper <input type="checkbox"/> Consignee	
REMIT C.O.D. TO (if different than shipper above):							
Name						Mailing Address	
City						State	ZIP/Postal Code
Country						Country	Area Code
Phone Number						Country	Area Code
Weight In LBS.						CUBE	(subject to correction)
CLASS						NWFC ITEM #	(subject to correction)
WEIGHT IN LBS.						150	125
UN3363 DANGEROUS GOODS IN APPARATUS (CLASS 9)							
SMART X-RAY TUBE L: 38 W: 24 H: 26							
TOTAL H/D: 1						★ MARK "X" OR "RQ" IN THE HM COLUMN TO DESIGNATE HAZARDOUS MATERIALS OR REPORTABLE QUANTITY AS DEFINED IN DOT REGULATIONS.	
HM EMERGENCY CONTACT PHONE NUMBER () 255-3894						FOR INTERNATIONAL SHIPMENTS PLEASE INDICATE BELOW THE NAME, FAX NUMBER AND PHONE NUMBER OF THE BROKER.	
HM EMERGENCY RESPONSE PROVIDER PERSON OR CONTRACT #						EEI/SED Number or Exception Phone # Fax #	
CHEMTTEL						Broker Name	
NOTE (1) Where the rate and carrier's liability for loss or damage may be dependent on value, shippers must state specifically in writing the agreed or declared value of the property to be insured. The agreed or declared value of the property is specifically stated by the shipper to be not exceeding _____ per _____.						FOR FREIGHT COLLECT SHIPMENTS	
Note (2) Liability limitation for loss or damage on this shipment shall be applicable as provided by contract or in the current NMFC or this carrier's governing tariffs. See FX# 100 Series Rules Tariff for complete limited liability provisions. Carrier's maximum standard liability is limited to \$25 per pound per package for NEW articles and \$50 per pound per package for USED or RECONDITIONED articles. In no case shall carrier liability exceed \$100,000 per occurrence for NEW articles or \$10,000 per occurrence for USED or RECONDITIONED articles. For availability and limits of excess liability coverage and applicable rates and charges, please refer to FX# 100 Series Rules Tariff. Not selecting an additional coverage option is considered to be a waiver of same and standard liability coverage will apply.						Consignor Signature	
Articles are NEW, and require Excess Liability Coverage in the amount of \$_____ per pound. Additional charges will apply.						SHIPPER CERTIFICATION	
Articles are USED or RECONDITIONED and require Excess Liability Coverage. Additional charges will apply.						This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.	
NOTE (3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation with ordinary care. See Sec. 2(e) of NMFC Item 350.						Carrier Signature Date 10/18/22	
DATE						PIECE COUNT	
DRIVER/EMPLOYEE NUMBER						TRAILER #	