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MSDS - Material Safety Data Sheet

Section 1	dentification of the substance / mixture and of the company / undertaking	of the company / undertaking
	Product identifier Trade name:	Portable and Stationary X-ray Systems
1.2	Relevant identified uses of the substance or the mixture and uses advised against Product use:	mixture and uses advised against 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
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 articles under REACH and are not subject to the requirements for information in the supply chain (safety sheets and labels)	H and are not subject to the requirements 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.	Risk of exposure occurs only if the product is
3.2	Mixture Not applicable.	
3,3	Additional information See full fext of H-ohases in chapter 16.	



Section 4	First aid measures	
1.4	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:	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.	te and delayed
4.3	Indication of any immediate medical attention and special treatment needed Treat symptomatically.	nd special treatment needed
Section 5	Firefighting measures	
5.1	Extinguishing media Sultable extinguishing media:	Use extinguishing media appropriate for surrounding fire.
5.2	Special hazards arising from the substance or mixture Fire hazard: hazard hazard inhalar	nixture 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)



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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.	id emergency procedures inhalations of vapor and contact with eyes
6.2	Environmental precautions In case of Sulphur Hexafluoride leakage, try to stop release if safe to do so.	stop release if safe to do so.
6.3	Methods and material for containment and cleaning up For containment:	ning up 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.	lard to the handling of waste. See section 8 tive 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.	neen read and understood. If in doubt, contact
7.2	Conditions for safe storage, including any incompatibilities Avoid mechanical abuse. Storage at high temperatures should be avoided.	patibilities ratures should be avoided.
7.3	Specific end use(s) This product should only be used for applications described in Section 1,2	s described in Section 1,2
Section 8	Exposure controls / Personal protection	
8.1	Control parameters Not relevant.	
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.



9.1	Information on basic physical and chemical properties Appearance:	erties Solid
	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 Hexafluonde):	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	Other adverse effects Effect on ozone layer (only in case of Sulphur Hexafluoride leakage):	No known effects from this product.
	Global warming potential [CO2=1] (only in case of Sulphur Hexafluoride leakage):	22200
Section 13	Disposal considerations	

	Dispose of contents/container/article in accordance with national regulations.	Refer to manual or contact supplier if guidance is required.
Section 13 Disposal considerations	Waste treatment methods Waste treatment methods:	Waste disposal recommendations:
Section 13	13.1	

Section 14

Transport information

Road/Rail transport (ADR/RID)

ADR/RID marking

Proper shipping name UN number Exemption Labelling Class

Other Information



Not subject for ADR/RID

No labelling according to ADR/RID, see 1.6.1.46, transition period till 31st of December 2022 Carriage in accordance with 1.1.4.2.1 Dangerous goods in apparatus

Sea transport (IMDG)

IMDG marking



2.2 Non-flammable gas

Articles, pressurized, pneumatic 2.2 3164

UN number Proper shipping name Class

Air transport (ICAO-TI / IATA-DGR)

ICAO-TI / IATA-DGR marking

9 Miscellaneous

Passenger and Cargo Aircraft
Packing instruction - Passenger and
Cargo Aircraft Only
Cargo Aircraft Only
Packing instruction - Cargo Aircraft
Only UN number Proper shipping name Class

Dangerous goods in apparatus Allowed 962

Allowed 962

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c•met x-ray

Product family (Item numbers)	Gas amount of SF6 in grams (g)
Portable X-ray tube 160 kV 20064011 / 20064013 / 20072511 / 20072513 / 9421-594-70500 / 9421-594-60500 / 9421-594-00500 / 9421-613-01000 / 20041055 / 20041056 / 20107358	125
Portable X-ray tube 200 kV 20064021 / 20064023 / 20064027 / 20072521 / 20072523 / 20072527 / 9421-587-00500 / 9421-579-80500 / 9421-579-00500 / 9421-624-60500 / 20049532 / 20045344 / 20032247 / 20041058 /20041059 / 20056075	145
Portable X-ray tube 225 kV 20064031 / 20064033 / 20064035 / 20064039 / 20072531 / 20072533 / 20072535 / 20072539 / 9421-592-00500 / 9421-577-00500 / 9421-624-50500 / 20049531 / 5312-629-80500 / 20041061	170
Portable X-ray tube 300 kV 20064001 / 20064003 / 20064005 / 20064007 / 20064037 / 20072501 / 20072503 / 20072505 / 20072507 / 20072537 / 9421-591-90500 / 9421-624-00500 / 9421-614-00500 / 20049533 / 20049523 / 20032448 / 5312-629-00500 / 5312-629-90500 / 20041062 / 20041066 / 20041063 / 20056019 / 20052720	255
Portable X-ray tube XPO or 225-1200 20064049 / 20064051 / 20072549 / 20072551 / 9421-619-01500 / 20072130	190
Stationary X-ray tube ION 300F, Y.XPO 300FB or 300D/1200 20117444 / 20114255 / 20108942 / 20113042 / 20063947	300

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.

COMEL TECHNOLOGIES 100 TRAP FALLS RD EXT SHELTON CT, 06484			Air W Page Shipp	Air Waybill No. Page ¹ of ¹ Pages Shipper's Reference Number	Jer	
Consignee GRAHAM MFG. CO. INC 20 FLORENCE AVE BATAVIA NY, 14020-3318				For o Com name	For optional use for Company logo name and address	8
Two completed and signed copies of this Declaration must be handed to the operator. TRANSPORT DETAILS	f this Declaratic	on must		WARNING Failure to comply in all respects with the applicable	respects w	ith the applicable
This shipment is within the limitations prescribed for: (delete non-applicable) PASSENGER GARGGAT AND CARGO ARCRAFT ONLYXXX	Airport of Departure:	ure:	Dang the	gerous Goods Reg applicable law,	julations may be in subject to legal	v be in breach of legal penalties.
Airport of Destination:			8 2	pment type: (delete non-applicable)	olicable)	
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						!
Additional Handling Information 24 HOUR EMERGENCY CONTACT NUMBER- CHEMTEL- 1-800-255-3924	T NUMBER- C	T T	1-800	255-3924	<u> </u> 	 -
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.	the contents of this consignment are fully above by the proper shipping name, and marked and labelled/placarded, and are in ondition for transport according to applicately governmental regulations. I declare that ransport requirements have been met.	onsignmel shipping lacarded, accordin lations. I	nt are name, and a g to a declar met.	2 a we	Name/Title of Signatory CARLOS DIAZ Place and Date SHELTON CT 06484 Signature	10/18/2022

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Consignee GRAHAM MFG. CO. INC 20 FLORENCE AVE BATAVIA NY, 14020-3318	For optional use for Company logo name and address
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I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.	onsignment are fully shipping name, and placarded, and are ir according to applic llations. I declare that have been met.	fully and Are CARLOS DIAZ are in all place and Date Shell TON CT 06484 10/18/2022 re that all Signature