IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Detail:

Application of the substance / the preparation:

Manufacturer / supplier:

3600 VHF ferrite absorber tiles

for new anechoic chambers or for upgrading existing rooms for

radiated-emission and immunity tests.

Holland Shielding Systems B.V.

Jacobus Lipsweg 124 3316 BP Dordrecht the Netherlands

Ph: +31(0)78-204 90 00 Fax: +31(0)78- 204 90 08 www.hollandshielding.com info@hollandshielding.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

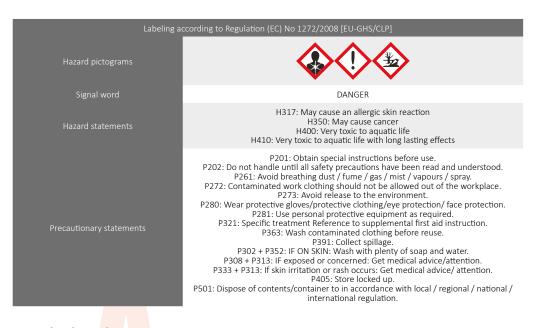
Skin sensitisation (Category 1)

Carcinogenicity, Inhalation (Category 1A)

Specific target organ toxicity- repeated exposure (Category 1) Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 1)

2.2 Label elements



2.3. Other hazards No data available

COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture

Components	CAS No.	Clasification	%
Iron Oxide (Fe2O3)	1309-37-1	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.	45.0-80.0
Nickel Oxide (NiO)	1313-99-1	Skin sensitisation (Category 1) Carcinogenicity, Inhalation (Category 1A) Specific target organ toxicity- repeated exposure (Category 1) Chronic aquatic toxicity (Category 4)	0.0-40.0
Zinc Oxide (ZnO)	1314-13-2	Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 1)	0.0-40.0
Copper Oxide (CuO)	1317-38-0	Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 3)	0.0-15.0

Revision date: 28-06-2018

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	Move to fresh air.
Skin contact	Wash with soap & water.
Eye contact	Flush with water for at least 15minutes.
Ingestion	Call MD immediately (FP N).

4.2 Most important symptoms /effects, acute and delayed No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Wear NIOSH/MSHA approved SCBA & Full protective equipment (FP N).

5.2 Special hazards arising from the substance or mixture If in instant contact with any open flame, may tend to shatter.

5.3 Advice for firefighters

Use media suitable for surrounding fire (FP N).

ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures None.

6.2 Environmental precautions

None.

6.3 Methods and material for containment and cleaning up None.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational exposure limitsNo data available

8.2 Appropriate engineering controls
General ventilation. Grind wet to eliminate dust.

8.3 Personal protection equipment

Respiratory protection	NIOSH/MSHA approved dust-fume type if not ground with liquid coolant.
Hand protection	Waterproof gloves.
Eye / face protection	Chemical workers goggles (FP N).
Body protection	NONE.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid
Odour	Odorless
Odour threshold	No data
рН	Not available
Melting point/Freezing point	1500°C
Boiling point and range	Not available
Flash point	No data
Evaporation rate	No data
Flammability (solid, gas)	No data
Upper/lower flammability or explosive limits	No data
Vapor pressure	No data
Vapor density	No data
Relative density	5.1
Solubility	No data
Partition coefficient: n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity	No data
Explosive properties	No data
Oxidizing properties	No data

10. STABILITY AND REACTIVITY

10.1 ReactivityNo data available

10.2 Chemical stabilityStable under recommended storage conditions.

10.3 Possibility of hazardous reactions No data available

10.4 Conditions to avoidNone specified by manufacturer.

10.5 Incompatible materials
Acids

10.6 Hazardous decomposition products May form hydrogen if dissoved in acids.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of exposure
No data available

11.2 Information on toxicological effects

Acute toxicity	No relevant information found.
Skin corrosion/irritation:	No relevant information found.
Serious eye damage/irritation	No relevant information found.
Respiratory or skin sensitisation	No relevant information found.
Germ cell mutagenicity	No relevant information found.
Carcinogenicity	No relevant information found.
Reproductive toxicity	No relevant information found.
STOT-single exposure	No relevant information found.
STOT-repeated exposure	No relevant information found.
Aspiration hazard	No relevant information found.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

No relevant information found.

12.2 Persistence and degradability

No relevant information found.

12.3 Bioaccumulative potential

No relevant information found.

12.4 Mobility in soil

No relevant information found.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal instructions

Can be disposed of as non-hazardous solid waste with local, state and federal laws

13.2 Waste from residues / unused products

No data available

13.3 Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

No data available

14.2 UN proper shipping name

Not dangerous goods

14.3 Transport hazard class(es)

-

14.4. Packing group

14.5. Environmental hazards

No

14.6. Transport in bulk

No data available

14.7. International shipping information No data available

15. REGULATORY INFORMATION

15.1 Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment No data available

15.3 Inventory status No data available

16. OTHER INFORMATION

The contents and format of this MSDS/SDS are in accordance with Regulation (EC) No 1907/2006. The information contained in the safety data sheet has been compiled from the information supplied on the materials contained in the product. No specific toxicological or ecological investigations have been carried out on the foil.

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