



9500 - Honeycomb vents

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

Product Detail :	9500 Honeycomb ventilation panels
Product use:	Ventilation in Faraday cages, EMI/RFI Shielded rooms/box ect.
Manufacturer / supplier:	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
Chemical name:	N/A
Chemical family:	N/A
Chemical formula:	N/A

2. Composition/information on ingredients

Ingredients/Component

Material

Aluminum honeycomb; Structural adhesive(s); Structure with aluminum frame.
These panels consist with or without aluminum Frame honeycomb core sheet.

Exposure Limits: Aluminum (CAS# 7429-905):

OSHA TWA: 5 mg/m³ (respirable particulate)

OSHA TWA: 5 mg/m³(total particulate)

ACGIH TWA: 10 mg/m³ (metal particulate)

3. Hazards identification

Emergency overview	These products present no significant health problems, provided exposure limits for panel components are not exceeded in the workplace.
Routes of entry	Inhalation and eye contact (of dust and/or particulates); Skin contact (potentially sharp edges of panels); ingestion (not a likely route of exposure).

Potential health effects

Eye	Irritation, itching
Skin	Irritation, itch
Ingestion	Not likely route of exposure
Inhalation	Irritation
Acute health hazards	Respiratory, eye and skin irritation
Chronic health hazards	None known

Medical conditions generally aggravated by exposure:

Respiratory conditions (i.e, asthma) may be aggravated by exposure to particulates, dust, etc

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4. First aid measures

Eye	Rinse eyes with clean water. Seek medical attention is irritation persists.
Skin	Rinse skin with water. Wash with soap and water. Seek medical attention is irritation persist.
Ingestion	Not likely route of exposure.
Inhalation	Remove to fresh air. Seek medical attention if irritation persists.
Notes to physicians or first aid providers	Treat supportively and symptomatically.

5. Firefighting measures

Flammable limits in air, (% by volume)	upper: N/A lower: N/A
Flash point	N/A
Method used	N/A
Autoignition Temperature	N/A
NFPA hazard classification	Health: 1, Flammability: 1, Reactivity 0, Other: N/A
Extinguishing media	Suitable for surrounding materials
Special fire fighting procedures	N/A
Unusual fire and explosion hazards	Sawing, sanding or machining panels could result in production of metal dust, which may present an explosion hazard if a dust cloud contacts an ignition source. use ventilation adequate to maintain dust levels below applicable exposure limits.
Hazardous decomposition products	In event of fire, metal fumes, oxides of metal, oxides of carbon, and other potentially hazardous decomposition products may be produced. The panels themselves are non-flammable.

6. Accidental release measures

Accidental release measures

Sweep up dust from sawing, sanding, ect., and place in container for disposal.

7. Handling and storage

Handling and storage

No special storage precautions are necessary

Other Precautions

N/A

8. Exposure controls/personal protection

Engineering controls	See below
Ventilation	Provide ventilation adequate to maintain dust levels below applicable exposure limits.
Respiratory protection	N/A
Eye protection	Work goggles.
Skin protection	Work gloves to protect hands from sharp panel edges Other protective clothing or equipment
Work hygienic practices	Wash hands afther handling panels before eating, smoking or using toilet facilities.
Exposure guidelines	N/A



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9. Physical and chemical properties

Appearance	Aluminum ventilation panels with or without frame
Physical state	Solid
Odor	N/A
Melting point	F: >1094 c: > 590 (aluminum)
Specific gravity (H ₂ O = 1)	2.5 - 2.8 (aluminum)
Solubility in water	N/A
Percent solid by weight	100
Percent volatile: By WT / By VOL	N/A
Volatile organic compounds (VOC)	Not available

10. Stability and reactivity

Stability	Product is stable
Conditions to avoid (stability)	N/A
Incompatibility (material to avoid)	Strong acids, strong bases, oxidizing materials.
Hazardous decomposition or by products	See sect. 5
Hazardous polymerization	Will not occur

11. Toxicological information

Toxicological Information: The toxicological properties of this product have not been fully tested

12. Ecological information

Ecological information: N/A

13. Disposal considerations

Wasted disposal method: Dispose of according to all applicable local, state and federal regulations.

14. Transport information

U.S. Department of transportation: NOTES: Not regulated as hazardous for transportation

15. Regulatory information

U.S. Federal Regulations

TSCA (Toxic substance control act): Component supplier's / manufacturer's MSDS's state all ingredients are TSCA compliant.

16. Other information

Other information: Information is available concerning the components of these panels from the manufacturer.

Preparation information: Prepared by Holland Shielding Systems BV.

Disclaimer: This material Safety Datasheet meets the information requirements of the Federal OSHA Hazard communication Standard, 29 cFR 1910. 1200 (g), and 40cFR, part 372. The information in this MSADS was obtained from sources which we believe are reliable. However, the information is provided without any responsibility or warranty expressed or implied regarding the accuracy or correctness of that information. The conditions or methods of handling, storage, use and disposal of the product are beyond our knowledge. For this and other reasons, we do not assume responsibility, and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.