



Safety Data Sheet - Vizion™, Fuzion™ – Fire retardant Foams According to Regulation (EC) No 1907/2006 (REACH)

1. Identification of substance

Trade name Vizion™, Fuzion™, with Flame Retardant.

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2. Hazards Identification

	Chemical Name	Cas No.	TLV/TWA
Classification & Labelling	Antimony Trioxide	1309-64-4	0.5mg/m ³ ACGIH

Contains Antimony trioxide. ACGIH consider Antimony trioxide as A2 – Suspected human carcinogen. Antimony trioxide is according to directive 67/458/EEC classified as Xn – harmful, Class 3 – carcinogen, R40 – limited evidence of carcinogenic effect.

However, for encapsulated or bound preparations (e.g. polymers / Elastomers / extruded form) the exposure path and therefore the risk is eliminated. According to Article 10 or Annex V.B.9. (EU Dangerous Substance Directive, 67/548/EEC, Annex VI, 9.3.), Such preparations "do not present a danger to human health by inhalation, ingestion or contact with the skin or to the aquatic environment in the form in which they are placed on the market".

3. Composition/Information on Ingredients

Chemical Name Chemically Cross-linked Polyethylene and EVA Foam.

Article: An Article is defined as an "object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition" (REACH art. 3 No. 3)

Comments: Palziv™ foams are articles and therefore an MSDS is not required. (Reach article 31)

Fuzion™ and Vizion™ foams do not contain an SVHC candidate list substance or others substances listed under REACH article 57 in concentrations of 0.05% (w/w) or above.

4. First Aid Measures

General information The measures listed below apply to critical situations such as fire, incorrect process conditions, etc.
At room temperature the product is neither an irritant nor gives off hazardous vapors.

Skin contact There is no risk and no need to work with gloves.



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5. Fire-fighting measures

Suitable extinguishing agents	Water spray (H ₂ O) Foam Carbon dioxide (CO ₂) Dry Chemical powder
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During a fire it is advisable to cool the material with water. Material that was not ignited should, if possible, be removed from the vicinity of the fire to a safe area. Care must be taken not to stand underneath burning material, dripping of burning molten material may occur. Smoke may contain toxic substances; it is therefore advisable to wear a mask.

Hazardous gasses that may be generated:

Carbon dioxide, carbon monoxide, nitrogen monoxide, nitrogen dioxide.

Even after the flames have been extinguished, the material should be cooled with water, in order to prevent a renewed outbreak of the fire due to self- ignition.

6. Accidental Release Measures | Environmental

Precautions	No specific measures are necessary.
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Measures for environmental protection	Do not flush into surface water or sanitary sewer system.
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7. Handling and Storage

Measures for

Handling:	No Restrictions.
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Storage:	It is advisable to store in a ventilated warehouse on pallets raised off the ground. Avoid UV radiation. Foam should be packed in perforated polyethylene sheets for ventilation. The material should not be stored outside particularly in the rain or in the sun. Shrink wraps are not advisable.
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8. Exposure Controls and Personal Protection

Components with workspace control parameters	Not required.
General protective and hygienic measures	Do not eat, drink or smoke while using the product.
Breathing equipment	Provide system for collecting the dust and vapors which may be formed during the working process. If appropriate ventilation is not available, use face mask during handling or processing.
Protection of hands	Wear gloves that provide thermal protection where there is a potential for contact with heated material.
Eye protection	Safety goggles should be worn to prevent mechanical injury or other irritation to eyes due to airborne particles or melt which may result from handling or processing this product.
Body protection	Wear suitable protective clothing. Safety and non-slip boots or shoes.

9. Physical and Chemical Properties

Appearance	Foam blocks
Color	Various
Odor	None
Density	25-200kg/m ³
Flash Point	N/A
Decomposition temperature	> 300°C
Solubility in water	Insoluble
Vapor pressure	N/A

10. Stability and Reactivity

Stability	The product is stable and is not expected to decompose under normal handling and storage conditions.
Hazardous decomposition Products	Carbon monoxide, Hydrocarbons, Trace Ammonia.
Conditions to Avoid	Temperatures above 150°.
Hazardous Polymerization	Will not occur.



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11. Toxicological Information

General information	Not classified as irritant.
Acute toxicity	Not classified
Chronic toxicity	Not classified
Primary irritant effect on the eye, skin and inhalation	Dust may cause irritation to the eyes, skin and respiratory tract. Decomposition products may cause headache and/ or irritation to the respiratory tract.
Sensitization	Not classified
Additional toxicological information	When used and handled according to specifications previously mentioned, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological Information

Ecotoxicity effects	This product has no known eco-toxicological effects.
Other information	The product is not biodegradable.

13. Disposal Considerations

Product	The waste can be buried at an appropriate site or burned in a furnace. The foam can also be ground down/fed for the production of recycled foams. PE is regarded as biologically inert.
Waste disposal	Disposal must be done according to local regulations.

14. Transport Information

Transport/Additional information	According to national and international guidelines, which regulate the road-, rail-, air- and sea-transport, this product is classified as not hazardous.
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15. Regulatory Information

EC regulations	Classification according to European directive on classification of hazardous preparations 91/155/EEC, and REACH regulation article 33 (Information obligation by the supplier)
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16. Other Information

Further information	Issued in accordance with Regulation (EC) No 1907/2006, and following amendments.
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Disclaimer:

The information supplied has been based upon our best knowledge, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. The information specified herein is accurate and reliable as of the date of publication. This safety data sheet is not to be interpreted as a warranty for specific product characteristics. Palziv takes no responsibility for inappropriate use, processing and handling by purchasers and users of the product.