

High Density Polyethylene

1. DESCRIPTION

1.1 Product Name

G_{Axx}, G_{AxxEV/EEv}

1.2 Trade Name

GalFoam

1.3 Chemical Family

Chemically Cross-linked Polyethylene/EVA Foam

1.4 Supplier

Premier Sealant Systems Ltd., Mercia Way, Foxhills Industrial Park, Scunthorpe, North Lincolnshire, DN15 8RE

T: 01724 864 100

2. COMPOSITION

2.1 Product Type

Chemically Cross-linked Polyethylene & EVA Foam

2.2 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)

2.3 Palziv foams are articles, and therefore an MSDS is not required. (REACH article 31).

2.4 Azodicarbonamide (ADCA), the foaming agent, is categorised within the REACH definitions, as a candidate SVHC. ADCA is a common foaming agent used in foam production. In the Palziv production process, the temperatures reached in the foaming ovens are higher than the decomposition temperature of ADCA and hence, it can be assumed that the foams contain less than 0.1 w% of ADCA trace contents. In the event that there are any ADCA traces, they are contained in the matrix and will not be released under standard circumstances.

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Since currently there is no official analytical method for determination of ADCA contents in cross-linked polyethylene foams, the above can be considered valid unless an alternative method is officially defined by an official National Standards Authority or across Europe by ECHA or the EU authorities.

3. HANDLING & STORAGE

3.1 Handling

No restrictions.

3.2 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 must not be stored outside, particularly in the rain or in the sun. Shrink wraps are not advisable.

3.3 Physical and Chemical Properties

State	Foam PE
Colour	Various
Odour	None
Density	25-200kg/m ³
Melting Point	N/A
Decomposition Temp	>300°C
Boiling Point	N/A
Vapour Pressure	N/A
Auto Ignition Temp	N/A
Flashpoint	N/A
Explosion Risk	N/A
Water Solubility	None

3.4 Stability and Conditions

Stability	Stable
Conditions to Avoid	Temperatures over 150 °C
Hazardous Decomposition Products	Co _x , Hydrocarbons, Trace Ammonia
Hazardous Polymerization	Will not occur

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4. HAZARD IDENTIFICATION

There are no known hazardous decomposition compounds.

5. FIRST AID MEASURES

Ingestion	If material has been ingested. Seek medical advice
Skin Contact	There is no risk and no need to work with gloves
Eye Contact	Rinse eyes with water. In case of an uncomfortable sensation, consult a doctor or ophthalmologist

6. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: CO₂, H₂O, Foam, Dry Chemical Powder

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.

7. ACCIDENTAL RELEASE MEASURES

Environmental Precautions	None necessary
Methods for Cleaning Up	Can be cleaned by any acceptable method: Dust and fragments may be vacuumed, swept or blown away by use of air pressure

8. PERSONAL PROTECTION AND EXPOSURE

10.1 Engineering Measures to Reduce Exposure

If dust or vapour condition is above the recommended level, use local extraction apparatus (likely only in the case of a fire).

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10.2 Personal Protection Equipment

Respiratory Protection	None necessary
Hand Protection	None necessary
Eye Protection	None necessary
Skin and Body Protection	There is no need for any protective measures
Hygiene	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

9. DISPOSAL

9.1 Ecological and Recycling Information

Details for Elimination	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.
Performance in Ecological Sub System	PE is regarded as biologically inert.

9.2

Waste from residues / unused	Dispose of in accordance with local regulations.
Contaminated Packaging	Dispose of in accordance with local regulations.

10. TRANSPORTATION INFORMATION

ADR / RID-HI / UN No. Not classified	Class:	
Proper Shipping Name		
IMDG-UN No. None	Marine Pollutant No	Class:
Proper Shipping Name		
MFAG	MDG Page	EMS:
ICAO	UNI / ID No.	Class:
Proper Shipping Name		

11. 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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