# SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP)

## 1. Identification of the substance

**Trade names**: Galfoam™, Palfoam™, Fusion™, Vizion™, Gal-OC™ with FR (Flame retardant).

**Product name**: Flame-retardant PALZIV foam products.

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## 2. Hazards identification

**Classification of the substance or mixture**: Not classified as hazardous according to Regulation (EC) No 1272/2008.

## 3. Composition/information on ingredients

**Product Information**: Chemically cross-linked polyolefins and EVA foam with flame retardant additives Contains small quantities of antimony trioxide and brominated flame retardants compounds.

A group of flame-retardant products identified by the following codes- FAZ, FBZ, FCZ, FDZ, FEZ, FHZ, FFZ, FIZ, FKZ, FLX, FR, FR0, FRA, FRB, FRD, FRH, FRH2, FRI, FRZ, FTZ

**SVHC information**:

Products containing Flame retardant contain the substance 1,1- (Ethan-1,2-diyl)bis(pentabromobenzene) CAS 84852-53-9, above the 0.1% (w/w). This substance commonly referred to as DBDPE, was included in the ECHA candidate list of substances of very high concern due to its vPvB properties. In accordance with **REACH Article 33(1)**, entities placing these articles on the EU market are legally required to communicate the presence of this SVHC to their downstream supply chain.

**Regarding Azodicarbonamide : ADCA**

ADCA (CAS 123-77-3) has been listed as an SVHC since 2012. Currently, no standardized or validated analytical method exists for testing ADCA concentrations in foams. To the best of our knowledge, As a chemical blowing agent, it decomposes almost entirely (>99.9%) during processing. Our foaming operations consistently exceed the decomposition temperature of ADCA, and therefore residual levels in the finished product are expected to remain below 0.1% (w/w). Any remaining trace quantities are fully embedded within the polymer matrix and are not expected to be released under foreseeable conditions of use.

## 4. First aid measures

**Description of first aid measures**: To the best of our knowledge, exposure to our products, and under standard working conditions, should not have any health effects.  In case of Physically response please seek medical advice.

**Inhalation**: Move to fresh air if dust is inhaled.

**Skin contact**:  Wash with soap and water if irritation occurs.

**Eye contact**: Rinse cautiously with water for several minutes.

**Ingestion**: Not expected to be hazardous.

## 5. Firefighting measures

**Suitable extinguishing agents**: $CO_2$, water spray, foam, dry chemical powder.

**Specific hazards**: During combustion, the material may drip molten plastic fragments. The product may also decompose and release harmful gases. Combustion may generate dense smoke and hazardous decomposition products such as carbon monoxide (CO), carbon dioxide ($CO_2$), hydrocarbons, , nitrogen monoxide, nitrogen dioxide

**Protective equipment**: Do not approach the fire area unless equipped with full protective gear, including heat-resistant clothing and a self-contained breathing apparatus (SCBA). Maintain a safe distance due to the potential for dripping molten material and the release of flammable gases.

## 6. Accidental release measures

**Personal precautions**: None required.

**Environmental precautions**: No specific measures required.

**Methods for cleaning up**: No special disposal required.

## 7. Handling and storage

**Precautions for safe handling**: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). DO NOT handle, store or open near an open flame, sources of heat or sources of ignition.

**Conditions for safe storage:** Protect material from direct sunlight, avoid UV radiation. During transportation and storage, small amounts of the gas used as a foam blowing agent may be released; therefore, it is recommended to store the product in a well-ventilated area

## 8. Exposure controls/personal protection

**General protective:** To the best of our knowledge, exposure to our products , and under standard working conditions, should not have any health effects. In all cases of doubt, or if symptoms persist, seek medical attention.

**Breathing Equipment**: None

**Protection of Hands**: None

**Eye protection:** If dust is generated during processing recommend protective glasses with side protection are recommended.

## 9. Physical and chemical properties

**Physical state**: Solid foam, blocks and rolls

**Density**: 25–200 kg/m³

**Ignition temperature:** > 300 °C (Literature)

**Water solubility:** Insoluble

**Explosive properties**: Not explosive

## 10. Stability and reactivity

The product is stable and is not expected to decompose under normal handling and storage conditions.

**Hazardous decomposition Products**: Carbon monoxide (CO), carbon dioxide ($CO_2$), hydrocarbons, nitrogen monoxide, nitrogen dioxide, antimony – compounds and halogen hydracid.

**Conditions to avoid**: Follow suggestions in section 7.

## 11. Toxicological information

**General Information:** When used and handled according to specifications previously mentioned, the product does not have any harmful effects.

**Acute toxicity**: Not classified.

**Primary Irritant effect on the eyes, 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.

## 12. Ecological information

**Ecotoxicity**: No information existing about environmental hazard of the material.

**Mobility**: No data available on the product.

**Biodegrading**: This product is not biodegradable.

## 13. Disposal Information

**Waste treatment methods**: Product is recyclable. Dispose in accordance with applicable state and local laws and regulations.

## 14. Transport information

According to national and international guidelines, this product is classified as not hazardous and does not require a hazard warning label.

## 15. Regulatory information

The material does not pose an immediate chemical hazard that requires strict regulatory classification, with the possible exceptions of dust hazards during cutting or combustion hazards at very high temperatures (which are covered Sections 2 and 5 of the SDS, respectively)

## 16. Other information

**Revision date:** December 2025 ,Version 5

**Issued in accordance with**: REACH Regulation (EC) No 1907/2006, and CLP regulation No 1272/2008.

**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.