

EPS-Fanfold

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION
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Product Name:	EPS-Fanfold (ACH and Cellofoam)
Version:	1
Identifier 1:	Foam-Control EPS, Foam-Control EPS with Perform Guard, Foam-Control EPS with Perform Guard ² , and Foam-Control Climate
Identifier 2:	Polystyrene sheet
Chemical Family:	Article
Product Use:	Foamed Polystyrene with or without Polyester or Polypropylene Film
Company Information:	Duro-Last®, Inc. 525 W Morley Dr. Saginaw, MI 48601 Phone: (800) 248-0280 Internet Address: www.duro-last.com
Emergency Phone (24 hours):	INFOTRAC 1-800-535-5053 (US & Canada) 1-352-323-3500 (International)

SECTION 2	HAZARD(S) IDENTIFICATION
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Hazard Classification:	As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, this product is considered an article and does not require an SDS. In addition, articles are not included in the scope of the Globally Harmonization System (GHS). As such, the GHS labeling elements are not included on this SDS. All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk. Although these products are not subject to the OSHA Standard or GHS labeling elements, Duro-Last® would like to disclose as much health and safety information as possible to ensure that this product is handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and be made available for employees and other users of this product. In addition, the recommendations for handling and use of these products should be included in worker training programs.
Pictogram(s):	N/A
Signal Word:	N/A
Hazard Statements:	N/A
Precautionary Statements: Additional Optional Hazards:	Low toxicity under normal conditions of handling and use.

SECTION 3

COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

Chemical Name	CAS Number	Concentration (%)
Polystyrene	9003-53-6	95-100%
Pentane* (n-Pentane, Iso-Pentane, Cyclo- Pentane)	109-66-0; 78-78-4; 287-92-3	>2.0%

*Flammable blowing agent that off-gas from product, most is gone prior to shipping

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4

FIRST-AID MEASURES

Inhalation:	If affected: Move to fresh air. Restore breathing. Consult a physician after significant exposure, or feeling unwell.
Skin Contact:	Wash off with soap and plenty of water. If symptoms persist, call a physician.
Eye Contact:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye(s) wide open while rinsing. If eye irritation persists, consult a specialist.
Ingestion:	Clean mouth with water and drink plenty of water afterwards. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
Most Important Symptoms and Effects, Both Acute and Delayed:	Irritant effects.
Protection of First-Aiders:	Move out of dangerous area. Consult a physician. Show this Safety Data Sheet to the doctor in attendance.
Notes to Physician:	Treat symptomatically.

SECTION 5

FIRE-FIGHTING MEASURES

Flash Point:	610°F (ASTM D 1929)
Auto-Ignition Temperature:	850°F
Suitable Extinguishing Media:	Dry chemical, Carbon Dioxide, water spray or foam.
Hazardous Combustion Products:	Burning product may emit dense black smoke. Dust generated by fabrication, e.g. sanding, may present a fire hazard and should be handled accordingly.

Specific Precautionary Methods: N/A

Special Protective Equipment for Firefighters: In the event of fire, wear self-contained breathing apparatus, if appropriate.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Handling Precautions: Use personal protective equipment as required during use.
Deny access to unprotected persons.
Avoid breathing or creating dust/fumes/gas/mist/vapors during installation.

Environmental Precautions: Do not flush into or allow material to enter surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

Cleanup: N/A

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1940.120).

SECTION 7

HANDLING AND STORAGE

Handling Precautions: Do not breathe dust from installation.
Avoid exceeding the given occupational exposure limits (see Section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection, see Section 8.
Smoking, eating, and drinking should be prohibited in the application area.

Storage Requirements: Keep in a well-ventilated place.
Observe label precautions.
Store in accordance with local regulations.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Basis **	Value	Exposure Limit(s)* / Form of Exposure
Pentane	109-66-0	ACGIH	TWA	1000 ppm
		NIOSH	TWA	120 ppm TWA; 350 mg/m ³ TWA
Polystyrene	9003-53-6	OSHA	TWA	2950mg/m ³
		ACGIH	TLV	1000 ppm

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this Safety Data Sheet.

**Basis

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

Engineering Measures: This product is combustible. Use adequate ventilation when installing.

Personal Protective Equipment:

Respiratory Protection

Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand Protection

Use impervious gloves when appropriate.

Eye Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin and Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.

Hygiene Measures

Avoid contact with skin, eyes, and clothing.

Wash hands before breaks and immediately after handling the product.

Remove respiratory, and skin/eye protection only after vapors have been cleared from the area.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Rigid foam blocks, boards or shapes.
Melting Point:	160°F
Auto ignition:	850°F
Flash Point:	610°F
Flammability (solid, gas):	2
Density:	0.6 to 3.0 lbs/ft ³
Percent Volatile:	< 2.0
Odor:	Slight Characteristic Odor
Solubility:	Insoluble

SECTION 10

STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	The product is chemically stable.
Possibility of Hazardous Reactions:	Stable under recommended storage conditions.
Conditions to Avoid:	Extreme temperatures could lead to decomposition of product producing Carbon Dioxide and Hydrogen Bromide. Avoid contact with incompatible materials including organic solvents, aldehydes, and amines.

SECTION 11

TOXICOLOGICAL INFORMATION

Toxicity

Hazardous Ingredient Name	Acute or Chronic?	Oral LD ₅₀	Dermal LD ₅₀	Dermal LC ₅₀
n-Pentane	Acute	400 mg/kg (rat)	NE*	NE*
Cyclo-Pentane (287-92-3)	No	11,400 mg/kg (rat)	NE*	NE*

**NE = No Evidence

Irritation: Skin irritation.
Eye irritation.

Sensitization: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

SECTION 12

ECOLOGICAL INFORMATION

Environmental Data

Components	Species	Test Results
n-Pentane (109-66-0)	Oncorhynchus mykiss	LC50; Dose: 9.87 mg/L; Exposure: 96h
	Pimephales promelas	LC50; Dose: 11.59 mg/L; Exposure: 96h
	Lepomis macrochirus	LC50; Dose: 9.99 mg/L; Exposure: 96h
	Daphnia magna	EC50; Dose: 9.74 mg/L; Exposure: 48h IUCLID

Other Information: Do not empty into drains; dispose of this material and its container in accordance with state and local regulations. Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains, and sewers.

SECTION 13

DISPOSAL CONSIDERATIONS

Disposal Methods:

Waste from Residues

This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any federal, state and local requirements.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal in accordance with federal, state and local regulations.

SECTION 14

TRANSPORT INFORMATION

DOT: Not dangerous goods.
IATA: Not dangerous goods.
IMDG: Not dangerous goods.
 Non-regulated, not classified as dangerous.

SECTION 15

REGULATORY INFORMATION

TSCA List:	Pentane (109-66-0) is listed on the TSCA Inventory.
CERCLA Reportable Quantity:	This material does not contain any components with a CERCLA RQ.
SARA 304 Reportable Quantity:	This material contains the following components with a section 304 EHS RQ:
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Air Act:	This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product does contain chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F) 10,000 TQ.
Ozone-Depletion Potential:	This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product contains the following chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F): n-Pentane: 10,000 TQ Iso-pentane: 10,000 TQ
California Prop 65:	This product has no chemicals known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov .

SECTION 16**OTHER INFORMATION**

Further Information:	This SDS was prepared in accordance with OSHA regulatory standards for Toxic and Hazardous Substances: 29 CFR 1910.1200.
Disclaimer:	To the best of our knowledge, the information contained herein is accurate. However Duro-Last®, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although Duro-Last®, Inc. has described herein all of the hazards to which we are currently aware; we cannot guarantee that these are the only hazards which exist.