

XPS SAFETY DATA SHEET

1 . PRODUCT AND SUPPLIER IDENTIFICATION

Product Name: DYNAFOAM BOARD MANTOPLUS Ekstrude Polistren (XPS)
Producer : Dinamik Isı Makina Yalıtım Malzemeleri San. Ve Tic. A.Ş.
İbni Melek OSB Mah. TOSBİ Yol 3 Sk. No:20 Tire / İZMİR / TÜRKİYE

Phone : + 90 232 449 12 50 (08:00 – 18:00)
Emergency Contact : + 90 232 449 12 50 0 232 513 51 36

2 . COMPOSITION AND INGREDIENTS

COMPONENT	CHEMICAL NAME	AMOUNT %	CODE NO
Polystyrene	Ethylbenzene polymer	70	GPPS
HFC 152a	Difluoro-ethane	6	HCF
DME	Dimethyl ether	4	DME
Other Additives	Gpps based additives	5	
Recycle	Recycling Materyal	15	

Risklessness Statement : The remaining components of this product are non-hazardous or it is not required to be explained here, as it is present in such small quantities that it cannot meet the threshold values in the legislation. These components do not contain substances or impurities that would affect the classification of the product.

3 . HAZARD IDENTIFICATION

Emergency Dituation Overview: Protect from high temperatures to avoid fire. Do not expose to fire and avoid smoking. Grinding, cutting or manufacturing operations; When conditions are suitable, it can cause the formation of dust that can ignite or create an explosive atmosphere.

Exposure Types :	Eye contact, breathing This material is not considered a carcinogen.
Fire and Explosion Hazards :	When the product burns, it creates dense black smoke. In case of fire, toxic gases may be produced.
Potential Health Effects	
Acute (Short-term) :	
Eye :	Dust may cause slight irritation. Smoke/vapor generated during heat treatments such as hot-wire cutting may cause eye irritation.
Skin :	No effect is expected. Chronic skin conditions may temporarily worsen from exposure to this product.
Breathing :	Dust may cause respiratory irritation.
Ingestion :	It is not possible to ingest this product.
Chronic (Long-Term) :	Prolonged use or contact with the product
	There are no known chronic health effects in the condition.

4 . FIRST AID MEASURES

First Aid Types

Types of first aid to be applied according to different exposure situations :

Breathing :	No or very little dust is generated during normal industrial use. Take the person out to fresh air. If symptoms persist, seek medical attention.
Eye Contact :	Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. Do not rub or scratch. If symptoms persist, seek medical attention.
Skin Contact :	Wash skin immediately with plenty of soap and water. If irritation develops or persists, seek medical attention.
Ingestion :	Accidental ingestion of material is impossible. If this happens, rinse your mouth thoroughly, keep the person under observation to make sure there is no intestinal obstruction. If symptoms persist, seek medical attention.

5 . FIRE FIGHTING MEASURES

Auto Ignition Temperature :	Not applicable.
Low Flammable/Explosive Limit :	Not applicable.
Upper Flammable/Explosive Limit :	Not applicable.
Suitable Extinguishing Media :	Water, foam, CO ₂ or dry chemical.
Unsuitable Extinguishing Materials :	None

Protective Equipment :

Use suitable breathing apparatus and wear suitable clothing that will fully protect you against fire.

Harmful Burning Byproducts :

carbon monoxide, carbon dioxide, styrene. Small amounts of hydrogen fluoride, fluorine and other undetected compounds may be released. HFC-152a thermally decomposes at temperatures above 430°C. Decomposition products include hydrogen fluoride and fluorine.

6 .ACCIDENTAL RELEASE MEASURES

Personal Precautions :

Avoid contact with eyes and inhalation.

Limitation Methods :

This material is a collapsible material.

Environmental Precautions :

You can surround it, set up barriers or use

other means to prevent it from spreading.

Methods for cleaning up :

Use an industrial vacuum cleaner with a

high-efficiency filter to remove dust. Avoid dry sweeping. Transfer to appropriately labeled containers after collection. After cleaning, remove the residues with water.

7 . HANDLING & STORAGE

Handling:

Technical Measures :

No technical equipment is required.

Measures :

Necessary precautions should be taken against the wind while working at high. Avoid dust formation. Do not breathe dust. Wear personal protective equipment. Special ventilation is not normally required when processing the product. The cutting process may cause the release of the blowing gas remaining in the cellular structure. Provide adequate ventilation to prevent reaching the low flammability limit value, especially in unventilated areas.

Safe Handling Device :

Not relevant.

Storage :

Technical Measures :

No special requirements are needed.
It should be stored in a cool and ventilated environment, separately from combustible materials such as solvents and thinners, and away from direct sunlight.

Suitable Storage Conditions : This product should be stored covered with a light colored opaque polyethylene film or stored in a covered place such as a warehouse, protected from sunlight. The environment must be ventilated to protect the product from excessive temperatures. (so that the temperature does not exceed 75 °C).

Large amounts of storage (especially storage in unventilated areas) may result in the formation of flammable vapors due to the release of the blowing gas. Reduce and control heat/energy sources in the storage area. The release of the blower gas can lead to rapid corrosion and rust formation. Keep the product in its package to minimize potential dust generation.

Incompatible Material:

See item 10.

Packaging Material :

It should be packed with polyethylene film.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls : Provide local and/or general ventilation so that the exposure is below the limit values given and recommended in the legislation. Dust collection systems should be used for edge cutting, surface roughening, machining or other dust generating processes. Vacuum or wet cleaning methods can be used.

Grinding, cutting, sawing or manufacturing activities can cause the release of blower gas or dust particles. Such substances are flammable under suitable conditions, which can ignite or form explosive dust atmospheres. If adhesive is to be used with the product, carefully follow the adhesive material manufacturer's instructions for use.

Personal Protection :

Special protection is not normally required.
Follow the advice below when necessary.

Eye/Face Protection :

Safety glasses with side protection

Skin Protection :

Protective gloves.

Long sleeve shirt and long pants.

Respiratory Protection : In cases where the particle / dust concentration in the air is above the exposure limit values, employees should use appropriate certified gas masks.

General Hygiene Conditions: Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse.

Exposure Informations : It must comply with local regulations and applicable procedures.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Physical State :	Solid
Colour :	Blue
Odor :	None
pH :	None
Flammability Limit :	E
Auto Ignition Temperature :	Not relevant.
Melting Point :	It softens above 94 °C.
Boiling Point :	It decomposes above 300°C.
Maximum Usage Temperature :	75 °C
Flashing Point :	Above 300°C.
Density :	22 – 32 kg/m ³
Dissolution in Water :	It is insoluble in water and generally chemically inert.

10 . STABILITY AND REACTIVITY

Chemical Stability :	Stable under normal conditions.
Chemical That Will Not Stand With :	Hydrocarbons, esters and amines Keep away from materials containing volatile organic components and organic solvents..
Harmful Polymerization :	Does not occur.
Harmful Decomposition Products :	None, except in case of burning.
Combustion Products :	Materials formed as a result of the combustion of organic hydrocarbons can be called toxic.

11 . TOXICOLOGICAL INFORMATIONS

Acute Toxicity :	Dust may cause mechanical irritation to eyes and skin. Swallowing; May cause temporary irritation to the throat, stomach and digestive system. Breathing; can cause coughing, nose and throat irritation and sneezing.
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Exposure to large amounts; can cause difficulty breathing, blood collection, and tightness in the chest.

12 . ECOLOGICAL INFORMATION

It applies to the product.:
Ecotoxicity :

Not expected to harm animals, plants or fish.
The product has no known adverse environmental effects.
Thanks to its use in thermal insulation, it creates positive effects on the environment. It is a recyclable product.

13 . DISPOSAL CONSIDERATIONS

Residual Waste :

Dispose of in accordance with applicable procedures and regulations.

Contaminated Packaging: :
procedures and regulations.

Dispose of in accordance with applicable

Europea Waste Catalog :

07 02 13 – Waste plastic materials
Finally, contact the manufacturer.

14 . TRANSPORT INFORMATION

No special precautions available.

15 . REGULATORY INFORMATION

According to the 99/45/EC (Management of Hazardous Chemical Substances) Directives and their amendments, this material is not dangerous.