

MATERIAL SAFETY DATA SHEET

(EXPANSION JOINT FOAM STRIP)



SECTION 1. MATERIAL IDENTIFICATION

PRODUCT DESCRIPTION

EPE is non cross linked, expanded cellular polyethylene foam manufactured from low density polyethylene eco-friendly (LDPE) as base material with blowing agent . It has innumerable tiny closed cell having fine & uniform structure. One side applied with water base adhesive, dried. Placed milky polyethylene release film, adhesive side, cut to size & splited

MATERIAL USED

EPE FOAM, LDPE

MANUFACTURER'S NAME

SAKSHI INNOVATIONS PRIVATE LIMITED
Gurudwara Somasar Road, P.O. Sahnewal, Village TIBBA, Distt. LUDHIANA-141 120 (INDIA)

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	: % Weight	CAS No	EINECS No
POLYETHYLENE, LINEAR LOW DENSITY	: 98%	Various	Not applicable
GREEN PIGMENT	: 0.97%	-----	-----
ADDITIVES	: 1.0%	-----	-----
PHYSICAL BLOWING AGENT	: 0.03%	-----	-----
HAZARDOUS COMPONENT(S)	: None		

SECTION 3. HAZARDS IDENTIFICATION

RISK PHRASES	: R-11 Highly flammable.
SAFETY PHRASES	: S-16 Keep away from sources of ignition- No smoking. Not harmful to health or environment under normal use of product. If material is heated up, may cause burns

SECTION 4. FIRST AID MEASURES

EYES	: Rinse the eyes in order to remove particles of this product
SKIN	: Not expected to present a significant skin hazard under anticipated conditions of normal use. Any heated/molten material on skin should be cooled as fast as possible. Seek immediate medical attention
INHALATION	: Not expected to present a significant inhalation hazard. In case of breathing excessive airborne dust, remove from area, provide fresh air.
INGESTION	: Not applicable under normal conditions of use

SECTION 5. FIRE FIGHTING MEASURES

USUAL EXTINGUISHING METHODS	: Water (preferably spray), CO2, foam, or dry chemical. In case of close fire-fighting, use breathing apparatus
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SECTION 6. ACCIDENTAL RELEASE MEASURES

Use personal protection as defined in section 8

SECTION 7. HANDELING & STORAGE

HANDLING	: The product should be stored, handled in accordance with good industrial hygiene practices
STORE	: Keep away from heat or ignition sources (flame or sparks). Do not smoke.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTIONS

COLLECTIVE PROTECTION	: Good general ventilation should be provided.
PERSONAL PROTECTION	: Eye protection should be worn for all industrial operations.
SKIN PROTECTION	: not normally considered as skin hazard. Use suitable protection gloves and clothes against contact with molten product.
INDUSTRIAL HYGIENE	: Use good personal hygiene practices. Wash hands before eating,drinking, smoking or using toilet facilities.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	: Blue Foam Sheet
ODOR	: Odorless
DENSITY AT 25°C (G/L OR KG/M3)	: 19 to 23 kg/m3
SOLUBILITY IN WATER (% WEIGHT)	: Insoluble
OTHER SOLVENTS	: Slightly soluble in hot organic solvents
TEMP. TEST (-30 TO 60°C FOR 24 HRS)	: no cracks or fracture observed as per test method ASTM D 2136

SECTION 10. REACTIVITY AND STABILITY

DECOMPOSITION PRODUCTS	: The product is stable in normal use conditions Incomplete combustion will generate carbon monoxide and possibly other toxic vapours.
CONDITION TO AVOID	: Avoid any source of ignition. Avoid prolonged exposure to sunlight, temperature above 50°C

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	: Ld50 not available
INHALATION	: Dust can irritate the upper respiratory tract.
SKIN CONTACT	: Although no appropriate human or animal health effects data are known to exist, this material is not expected to be a skin irritant.
EYE CONTACT	: Can induce irritation or injury of the cornea due to a mechanical action.
INGESTION	: May cause choking if ingested.
CHRONIC TOXICITY	: No chronic health effects for this material have been reported.

SECTION 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL ASSESSMENT	: Product is biologically inert and not readily degradable. Recyclable
MOBILITY	: Flexible solid sheet form, prevent contamination of soil and moisture

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local and national regulations on waste disposal. User is encouraged to recycle or reuse material.

SECTION 14. TRANSPORTATION INFORMATION

Not classified as dangerous goods. Avoid hooks or sharp objects during transit or shifting. Do not expose to moisture or dust objects

SECTION 15. REGULATORY INFORMATION

RISK PHRASES	: R-11 Highly flammable.
SAFETY PHRASES	: S-16 Keep away from sources of ignition- No smoking.

SECTION 16. OTHER INFORMATION

All information contained herein is based on the present state of our knowledge on the date of issue. It is believed to be accurate. It is intended to describe products from the point of view of safety requirements. It should not be construed as guaranteeing specific properties. Under no circumstances is the user exempt from respecting legislative or administrative requirements related to the product in terms of safety, hygiene, and/or health and environmental protection.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable

MATERIA SAFETY DATA SHEET

(LOW DENSITY POLYETHYLENE)

SECTION 1. MATERIAL IDENTIFICATION

PRODUCT NAME

MILKY POLYTHENE

MATERIAL USED

Polyolefins

SECTION 2. COMPOSITION

Chemical Name	: Low Density Polyethylene (LDPE)
CAS No	: 9002-88-4
Composition	: 99 % (Minimum).

SECTION 3. HAZARDS IDENTIFICATION

Not classified as dangerous for supply/use. The preparation does not meet the criteria for classification in accordance with Directive 1999/45/EC and Directive 1272/2008/EC.

SECTION 4. FIRST AID MEASURES

INHALATION	: Remove the patient from exposure. Keep patient at rest and give oxygen if breathing difficult. If symptoms develop, obtain medical attention.
SKIN CONTACT	: After contact with skin, wash with water. In case of burns from hot material immediately cool affected skin as long as possible with cold water.
EYE CONTACT	: Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. If symptoms persist, obtain medical attention.
INGESTION	: Unlikely to be hazardous if swallowed. Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting. If symptoms develop, obtain medical attention.
FURTHER MEDICAL TREATMENT	: Unlikely to be required but if necessary treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	: As appropriate for surrounding fire. Extinguish preferably with foam, carbon Dioxide or dry chemical.
UNSUITABLE EXTINGUISHING MEDIA	: Do not use water jet or waterspray.
FIRE FIGHTING PROTECTIVE EQUIPMENT	: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.
HAZARDOUS DECOMPOSITION	: Combustion or thermal decomposition will evolve toxic and irritant vapours.
OTHER	: Can melt and burn in a fire. Molten material tends to flow or drip and will propagate fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	: Caution - spillages may be slippery. Ensure suitable personal protection (including respiratory protection) during removal of spillages. Dust clouds are sensitive to ignition by electrostatic discharge.
ENVIRONMENTAL EXPOSURE CONTROLS	: Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.
METHODS FOR CLEANING UP	: Sweep up and shovel into waste drums or plastic bags

SECTION 7. HANDELING & STORAGE

HANDLING	: No special precautions are necessary during handling of dust door.
STORAGE	: Keep only in the original container. Keep container tightly closed. Keep in a cool, well ventilated place. Keep away from heat and direct sunlight. This product should be kept away from naked flames and other sources of ignition
STORAGE TEMPERATURE	: Ambient
STORAGE LIFE	: Stable at ambient temperature
SPECIFIC USE	: Industrial use only

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTIONS

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEEL (ppm)	STEL (mg/m ³)	Note:
LOW DENSITY POLYETHYLENE	9002-88-4	No Occupational Exposure Limit assigned				
DUST	-		10			Total Dust.
			4			Respirable Dust.

RESPIRATORY	: No special requirements. Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved. Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment.
EYE PROTECTION	: Eye protection with side protection
GLOVES	: Wear suitable gloves if prolonged skin contact is likely. When dealing with hot material: Insulating gloves (Heat)
OTHERS	: Protective working garments (e.g. safety shoes , long sleeved protective working garments). Contaminated clothing should be thoroughly cleaned.
ENVIRONMENTAL PRECAUTIONS	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

PROPERTY	Typical Value	Unit
APPEARANCE	Transparent	-
DENSITY	0.917	g/cm3
ELONGATION	250-350	%
HARDNESS	45	ShD
WATER ABSORPTION	0.01-0.03	%

SECTION 10. REACTIVITY AND STABILITY

CHEMICAL STABILITY	: Stable under normal conditions. Decomposes at temperatures above 300°C.
CONDITIONS TO AVOID	: Heat and direct sunlight
MATERIALS TO AVOID	: Direct contact with open flames, self igniting and explosive materials
HAZARDOUS DECOMPOSITION PRODUCT(S)	: Carbon monoxide, Carbon dioxide, Hydrocarbons and Acrid smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

INGESTION	: Low oral toxicity. Polypropylene Homopolymer.LD50 (rat): >5000 mg/kg
INHALATION	: Low acute toxicity. Dusts and vapours or fumes evolved during thermal processing may cause irritation to the respiratory system
SKIN CONTACT	: No evidence of irritant effects from normal handling and use
EYE CONTACT	: Dust may have irritant effect on eyes. Permanent damage is unlikely.
LONG TERM EXPOSURE	: Chronic effects are unlikely

SECTION 12. ECHOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION	: Solid insoluble in water. Floats on water. The product has low mobility in soil
PERSISTENCE AND DEGRADATION	: The product is non-biodegradable
TOXICITY	: Low toxicity to aquatic organisms
EFFECT ON EFFLUENT TREATMENT	: Unlikely to affect biological treatment processes

SECTION 13. DISPOSAL CONSIDERATIONS

REGULATORY INFORMATION	: Do not allow to enter drains, sewers or watercourses. Disposal should be in Accordance with local, state or national legislation.
RECOMMENDED	: Normal disposal is via incineration operated by an accredited disposal contractor. Recycle waste & use as raw material

SECTION 14. TRANSPORT INFORMATION

INTERNATIONAL TRANSPORT REGULATIONS	
UN NO.	: Not applicable.
ROAD/RAIL (ADR/RID)	: Not applicable.
CLASS/PACKING GROUP	: Not applicable.
IMDG CLASS	: Not applicable.
ICAO/IATA CLASS	: Not applicable.

SECTION 15. REGULATORY INFORMATION

EC CLASSIFICATION	: Not classified as dangerous for supply/use.
HAZARD SYMBOL	: Not applicable.
RISK PHRASES	: Not applicable.
SAFETY PHRASES	: Not applicable.
INTERNATIONAL INVENTORIES	
EINECS (EUROPE)	: EINECS: Polymer, Monomers included

SECTION 16. OTHER INFORMATION

The information listed within this MSDS is solely designated for the finished processed product. The information listed is to the best of our knowledge, accurate and reliable. However there, is no warranty or guarantee that can be made to its accuracy, reliability or completeness Sakshi Innovations Pvt Ltd will not accept liability for any loss or damage that may occur from the use of this information.