



ICA-LITE® EPS SDS



➤ SECTION 1 – IDENTIFICATION

MANUFACTURER: **Insulation Corporation of America**
2571 Mitchell Avenue • Allentown, PA 18103
P: 610-791-4200 • insulationcorp.com
 EMERGENCY PHONE #: **CHEMTREC (available 24 hrs daily): 800-424-9300**

Product Name and Synonyms	Expanded Polystyrene ICA-LITE® Insulation Board
Chemical Family	Modified Expanded Polystyrene Organic Polymer
Product Use	Insulation Board
Recommended Use & Restrictions	Insulation & Packaging; not for direct contact with food
Formula	(C ₈ H ₈) _x [Benzene, ethylene-, homopolymer]

➤ SECTION 2 – HAZARD IDENTIFICATION

Hazardous Ingredient	CAS #	%
Pentane	109-66-0	2.0% max

Expanded polystyrene (EPS) is combustible and should not be exposed to flame, spark or any ignition source.

➤ SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	%
Polystyrene	9003-53-6	95-100% min
External & Internal Lubricants	N/A	0.4 % max
Surfactants	N/A	0.2% max

➤ SECTION 4 – FIRST-AID MEASURES

First Aid	
Inhalation	Move to fresh air.
Ingestion	Ingestion unlikely. However, if ingested, notify medical personnel.
Skin Irritation	Wash with soap and water. If irritation develops, consult a physician.
Eye Contact	Flush eyes with copious amounts of water for 20 minutes, retracting eyelids frequently. If irritation persists, seek medical attention.

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➤ SECTION 5 – FIRE-FIGHTING MEASURES

Flashpoint (Method Used)	Autoignition Temperature (°C)
650°F (Tag)	N/A

Lower Flam. Limit (% by Vol.)	Upper Flam. Limit (% by Vol.)
N/A	N/A

Flammability? Yes. Under Which Conditions? Ignition can occur when product is exposed to open flame.

Hazardous Combustion Products: No more toxic than burning wood or paper.

Sensitivity to Impact: There is no evidence to show that this product is sensitive to physical shock.

Sensitivity to Static Discharges: None known.

Extinguishing Media: Dry chemical, carbon dioxide, foam, water vapor spray and solid stream.

Special Fire Fighting Procedures: Comparable to rapid burning Class A fires. Use approved self-contained breathing apparatus respirator and approved personal protective clothing. Extinguish by quenching or cooling.

Unusual Fire and Explosion Hazards: Produces dense black smoke with incomplete combustion.

➤ SECTION 6 – ACCIDENTAL RELEASE MEASURES

Precautions if Material is Spilled or Released: Sweep, shovel, or vacuum into suitable containers for reuse or disposal.

➤ SECTION 7 – HANDLING & STORAGE

Precautions: Considered flammable. No special handling or storage requirements. Ambient storage temperature and natural ventilation is adequate.

➤ SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment	
Respiratory Protection	Approved dust respirator, as necessary, especially when material is ground or cut.
Skin Protection	None under normal conditions. Protective gloves can be used when excessive skin contact is expected.
Eye Protection	Safety glasses with side guards or goggles are recommended to prevent eye contact, especially when grinding or cutting.
Other	None known



➤ SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State	Odor and Appearance	VOC (g/l)	Odor Threshold	Vapor Press. (mm Hg.)
Solid	White fused beads having a very slight solvent odor	N/A	N/A	N/A

Vapor Density	Evaporation Rate	Boiling Point	Freezing Point	pH
N/A	None	N/A	N/A	N/A

Specific Gravity	Solubility in Water	Volatiles by Wt (%)	Corrosivity	Melting Point
Varies	Insoluble	Trace	N/A	Above 180°

➤ SECTION 10 – STABILITY & REACTIVITY

Stability: Stable under normal conditions of storage and use.

Incompatibility (Materials to Avoid): Organic solvents, oil products, strong oxidizing agents, sparks, open flames, strong acids or bases.

Hazardous Decomposition of By-products: Does not decompose under normal usage.

Hazardous Polymerization: Will not occur.

➤ SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Entry	
Inhalation	Nuisance dust may cause mechanical irritation with possible difficulty breathing, sneezing, and coughing (only when material is cut).
Ingestion	Biologically inert. Extremely unlikely rout of entry.
Skin Absorption	None.
Skin Irritation	May cause skin irritation or abrasion.
Eye Contact	Small particles may cause mechanical irritation or injury to the surface of the eye. Noticeable discomfort, redness, and tearing can occur.

Effects of Chronic Exposure: No significant health hazard is expected to result under conditions of normal occupational use of this material.

Aggravation of Pre-existing Conditions: No adverse effects expected.

Carcinogenicity: The degradation component styrene is listed as a possible carcinogen.



➤ SECTION 12 – ECOLOGICAL INFORMATION

Non-biodegradable, insoluble in water, low potential for bioaccumulation. Not expected to harm ecosystems through its applied use.

➤ SECTION 13 – DISPOSAL CONSIDERATIONS

Reuse or dispose via sanitary landfill or adequate incinerator according to federal, state, and local regulations. Do not discharge into waterways or sewer systems. Expanded polystyrene is recyclable. Contact your local waste management service for recycling methods or visit the following:

- EPS Industry Alliance: <http://epsindustry.org/>
- Easrth911: <http://www.earth911.com/>
- GoFoam: <http://www.gofoam.org/>
- Home for Foam: <http://www.homeforfoam.com/foam-101/foam-recycling-centers>

ICA accepts clean, dry, tape- & label-free EPS foam from our customers and the public. The recycled EPS gets reused in our manufacturing process. EPS can be dropped off at our Allentown location Monday-Friday, 8:00 am - 5:00 pm. Please refer to our recycling rules before bringing foam. Contact ICA at 610-791-4200 if you have further questions.

➤ SECTION 14 – TRANSPORT INFORMATION

This product is not listed as a hazardous material by the US Department of Transportation (DOT).

➤ SECTION 15 – REGULATORY INFORMATION

This product is not classified as hazardous.

➤ SECTION 16 – OTHER INFORMATION

California Prop. 65: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.

SDS prepared on 05/23/2016

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The information provided in this data sheet is given in good faith but with no expressed or implied warranty. The manufacturer is not responsible for personal injury or property damage that may arise from use of this product. Customers or end users assume all risks associated with the use of this material.



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