

Sundolitt XPS Safety Data Sheet

1. NAME OF PRODUCT AND COMPANY

Product Name: **Sundolitt XPS**

Product Group: EXTRUDED polystyrene (XPS)
Composition: Polystyrene Foam
Relevant Uses: Thermal insulation for buildings, load bearing insulation for construction applications.

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2. PRODUCT INFORMATION

1. COMPOSITION: Polystyrene foam. Contains polystyrene, propellant gases, colour pigments, and additives.

3. HAZARDOUS PROPERTIES

1. HEALTH : No special measures required.
2. SECURITY : No special measures required.
3. ENVIRONMENTAL RISK : No special measures required.

4. FIRST AID MEASURES

1. INHALATION: No known irritant.
2. SKIN: Not an irritant.
3. EYE CONTACT: Not generally an irritant. Potential dust in eyes, rinse with clean water.
4. INGESTION: Not harmful if swallowed. However, always consult a Doctor.

FIRE FIGHTING MEASURES

EXTINGUISHING: Foam, powder, or carbon dioxide. For smaller fires can use powder, carbon dioxide, sand or earth.

ADVICE TO EMERGENCY SERVICES: Extinguish material using full protective clothing and breathing apparatus.

FIRE AND EXPLOSION HAZARD : Not classified as flammable, but is potentially combustible at high temperatures. Combustion gases may include carbon dioxide (CO₂) , small amounts of carbon monoxide (CO) and hydrobromic acid. Poor ventilation can increase the possibility of carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

PRECAUTIONS : Remove all sources of ignition. Avoid Smoking or naked flames. Take precautionary measures against electrostatic discharges.

METHODS OF CONTAINING AND CLEARING SITE: Keep product free from contamination for reuse or recycling. See section 12 for recycling, waste and disposal.

7. HANDLING AND STORAGE

HANDLING : Avoid inhalation of fumes or vapours from heated product. Keep away from sources of ignition.

STORAGE : Keep product cool and away from direct sunlight. Sundolitt XPS is unaffected by water absorption, immersion and frost/thaw processes.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTIVE EQUIPMENT

PREVENTIVE MEASURES :-

1. **RESPIRATORY PROTECTION** : When handling or cutting material, wear a dust mask with air extraction.
2. **EYE** : When handling involving dust, use goggles
3. **HAND PROTECTION** : Not required, but recommended as good practise.
4. **SKIN PROTECTION** : No special requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT FORMATION:	Rigid Polystyrene Foam
COLOUR:	Orange
ODOUR:	None
SOLUBILITY:	Soluble in some organic solvent, such as halogenated hydrocarbons and ketones. Product generally inert.
SOLUBILITY IN WATER:	Insoluble
DENSITY:	20-60 kg/m ³
BOILING POINT	: Ca. 370 °C

10. STABILITY AND REACTIVITY

STABILITY : Stable at normal handling. Decomposes at temperatures above 200 ° C.

CONDITIONS TO AVOID: Heat, flames and sparks. Avoid exposure to strong sunlight for extended periods. Avoid contact with organic solvents.

11. TOXICOLOGICAL

No sensitivity effects are known.
No skin irritants are known.
No eye irritants are known.

In our experience and according to information available, the product is not harmful to health provided it is handled in accordance to its stated uses.

12. DISPOSAL

The product is 100% recyclable or as a credible fuel source for energy recovery.

The following conditions are recommended. If the product is EITHER; Clean or uncontaminated material can be recycled by Sundolitt or regulated operations. OR; Contaminated product it is recommended as a fuel source for energy recovery.

The product is inert and contains no products that can leak out and contaminate groundwater or landfill.

13. TRANSPORTATION

Not classified as dangerous i.h.t. UN , IMO , ADR / RID or IATA / ICAO

14. REGULATORY INFORMATION

Not classified as a health or environmental hazard under current rules on chemical products. Products marked with recycling symbol i.h.t. follow international recommendations.

15. ECOLOGICAL

Replaces safety data sheet of 2009.

Information in this document is based on our current knowledge and is intended to be used solely for the health, safety and environmental purposes. The information should not be considered as a specification or as a guarantee for any specific property of the product.