

Safety Data Sheet



NOTE: This is an abridged MSDS intended to provide information relevant to handling, processing and storage of the product
For a full copy of the Dow MSDS contact Dow Chemical (Aust) Pty Ltd.

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Foam Sheet**

Supplier: Solid Solutions Group
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2. PRODUCT IDENTIFICATION

CHEMICAL ENTITY: Extruded polystyrene foam blown with HCFC-142B and HCFC-22 and containing a brominated flame retardant.
HAZARDS CLASSIFICATION: This product is not considered as hazardous according to Work safe Australia.

3. PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE: Rigid multicellular foam beard. No odour.
BOILING POINT: Greater than 75° C
MELTING POINT: Greater than 75° C
FLASH POINT: 346° C
AUTO IGNITION TEMP: 491° C
DECOMPOSITION TEMP: 285° C
OTHER PROPERTIES: Insoluble in water, Density 20 to 70 kg /m³.
USE: For thermal insulation in many different constructions.

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4. HEALTH HAZARD INFORMATION

ACUTE EFFECTS

SWALLOW: Ingestion is unlikely due to physical state. Physical injury only.
EYE: Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN: Considered to be physiologically inert. No adverse effects anticipated incidental to proper industrial handling.

INHALED: Dust may cause irritation to upper respiratory tract. No significant level, of exposure to blowing agent or fire retardant during normal industrial procedures post manufacture. Contact Dow for full MSDS.

CHRONIC EFFECTS: As above.

OTHER HEALTH: Repeated exposure to this product are not anticipated to cause any significant adverse effects.

HAZARD INFORMATION:

FIRST AID

SWALLOWED: No adverse effects anticipated by this route of exposure.

EYE: Mechanical irritation only. Irrigate immediately with water for at least 5 minutes.

SKIN: No adverse effects anticipated by this route of exposure.

INHALED: Remove to fresh air if effects occur. Consult a doctor.

FIRST AID FACILITIES: Not applicable.

ADVICE TO DOCTOR: No other relevant Information available.

TOXICITY DATA: Relevant to foam manufacture only. For further information contact Dow, for unabridged MSDS.

5. PRECAUTIONS FOR USE

EXPOSURE GUIDELINES

INDUSTRIAL HYGIENE MEASUREMENTS of HCFC 142B and / or HCFC-22 have been made in residential dwellings, warehouses and in production facilities where the concentration, can be expected to be highest. These measurements indicate that HCFC 142B and / or HCFC-22 are present only at levels well below 150 ppm even when large quantities of extruded foam products are present.

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6. ENGINEERING CONTROLS

Good general ventilation should be sufficient for most conditions. Certain operations such as grinding or cutting may lead to build of dust which could a dust explosion. Provide adequate local and appropriate ventilation and appropriate dust handling systems. Hot wire cutting may generate vapour levels sufficient to generate eye and respiratory irritation. Provide adequate ventilation. Local exhaust ventilation on the equipment is necessary for processing operations such as cutting and grinding, to control the exposure to dust and flames.

7. PERSONAL PROTECTION

RESPIRATORY: In dusty atmospheres, use an approved dust respirator.
SKIN: No precautions other than clean body covering nothing should be needed.
EYE/FACE: For fabrication operations safety glasses are recommended.
FLAMMABILITY: This product is combustible and may constitute a fire hazard if improperly used or installed. When installed this product should be protected as directed by State/Local Government regulations or instructions in the specification application brochure.

8. SAFE HANDLING INFORMATION

STORAGE & TRANSPORT: This material is not classified as a dangerous good
SPILLS & DISPOSAL: Pick up or sweep up and place in labelled container for disposal.
DISPOSAL METHOD: Bury in an approved landfill, or burn in an adequate incinerator with excess oxygen, with State/Local Government regulations.

9. FIRE EXPLOSION HAZARD

EXTINGUISHING WATER: Water spray.
HAZARDOUS COMBUSTION: Upon burning the product generates dense back stroke with small amounts of hydrogen bromide, -chloride and -fluoride. Studies have shown that the products of combustion of this foam are not more acutely tonic than the products of combustion of common building materials such as wood.
PRODUCTS
FIRE FIGHTING EQUIPMENT: Wear positive-pressure, self-contained breathing apparatus.
SPECIFIC METHODS OF FIRE FIGHTING: Large volume of water directly on flame or burning surface. Soak thoroughly with water to cool and prevent re-ignition

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10. REACTIVITY DATA

CHEMICAL STABILITY:	Stable under normal handling and storage conditions.
INCOMPATIBILITY:	(materials to avoid) Organic solvents, esters, amines, aldehydes, oils, petrols.
DECOMPOSITION:	Under high heat, non flaming conditions, small amounts of aromatic hydrocarbons,
PRODUCTS:	Predominantly styrene and ethyle benzene are generated.

11. OTHER SAFE HANDLING INFORMATION

Exposed to intense sunlight over prolonged periods, the surface of the boards degrade to fine dust. This material contains a brominated flame retardant additive to inhibit accidental ignition from small fire sources. During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.

CONTACT POINT

Contact Point

Technical Manager 61 03 9579 2044

Disclaimer The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of or reliance on, this information in inappropriate contexts.