

MATERIAL SAFETY DATA SHEET

MSDS # 1911 IKOTHERM, IKOTHERM III, ENERFOIL

IMPORTANT: Read this MSDS before handling or disposing of this product. This product safety information is provided to help our customers assess compliance with health, safety and/or environmental regulations. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for disposal of the product.

SECTION 1 PRODUCT AND MANUFACTURER'S INFORMATION

Manufacturer's Name: IG Machine & Fibers Ltd
Address: 1400-10 Street S.E.
High River, Alberta
T1V 2B9
Emergency Phone: (905) 457-2880 – EXT. 4402
Product Name: IKOTerm, IKOTerm III, Enerfoil
Chemical Name: Polyisocyanurate Foam
Trade Name: Polyisocyanurate Insulation
Chemical Family: Foamed Plastic
Formula: Polyisocyanurate foam with various facers and n-pentane

SECTION 2 PREPARATION INFORMATION

Prepared By: Andy Lodge
Phone Number: (905) 457-2880 - Ext. 4402
Date of Preparation: January 7, 2009

SECTION 3 HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS #	% Wt (approx.)
Polyisocyanurate Foam	None	10-90
Pentane	109-66-0	2-10
Fiberglass	65997-17-3	0-1

SECTION 4 PHYSICAL DATA

Boiling Point: NA
Specific Gravity: ND
Vapour Pressure: NA
Solubility In Water: Insoluble
Appearance: White or cream coloured with black fiberglass-felt, aluminum foil or coated glass mat facing
Odor: No odor

SECTION 5 FIRE AND EXPLOSION DATA

Flash Point: NA
Flammable Limits: NA
Extinguishing Media: CO₂, Dry Chemical, Water Spray
Special Procedures: Self contained breathing apparatus

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SECTION 6 TOXICOLOGICAL PROPERTIES

Exposure Limits: Polyisocyanurate Foam: 15 mg/m³ (OSHA PEL)
10 mg/m³ (ACGIH TLV)
Fibrous Glass: 5 mg/m³ (OSHA PEL)
10 mg/m³ (ACGIH TLV)
Carbon Black: 3.5 mg/m³ (OSHA PEL)
3.5 mg/m³ (ACGIH TLV)

Primary Route of Exposure: Inhalation, skin contact
Exposure Effects: Mechanical irritation of the mouth, nose, eyes and throat. Respiratory tract irritation.

SECTION 7 REACTIVITY DATA

Stability: Stable
Polymerization: Will not occur
Materials to Avoid: Acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylene dichloride, dimethyl sulfoxide, and dimethyl formaldehyde.
Hazardous Decomposition Products: Primarily CO, CO₂. Some HCN possible under certain conditions.

SECTION 8 PREVENTIVE MEASURES

Spill Procedure: NA
Disposal Procedure: Follow federal, provincial/state, and municipal laws and regulations
Ventilation: Ambient
Respiratory: If irritation occurs or exposure limit is exceeded, use a respirator for protection against nuisance dusts.
Protective Clothing: If excessive dust is generated during cutting operations, wear long-sleeved, loose-fitting clothing, long pants and gloves, to reduce irritation.

SECTION 9 FIRST AID PROCEDURES

No special practices required.

SECTION 10 OTHER

This product will burn and should not be left exposed to flames. Under certain fire conditions, combustible gases can be generated, creating rapidly spreading, high intensity flames and dense, black smoke.