

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION

#### Product identifier

Trade name: **IntelliPack SmartFOAM™ B**  
Including HD, FLX and FLX-Fast

Synonym(s): IntelliPack foam-in-place packaging component B

Preparation/Revision date: 6 March 2015

#### Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Protective packaging – Foam component B

Uses advised against: None known

#### Details of the supplier of the safety data sheet

##### Manufacturer / Supplier

Company name: Pregis Innovative Packaging, Inc.

Address: 1650 Lake Cook Road, Suite 400  
Deerfield, IL 60015

Customer service: 877-692-6163

#### Emergency telephone number

For product and additional safety information:  
e-Mail: [gallen@pregis.com](mailto:gallen@pregis.com)

**24-Hour Emergency Contact:**  
Chemtrec: (800) 424-9300

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Classification according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification: Serious Eye Damage/Eye Irritation – Category 2A  
Skin Corrosion/Irritation – Category 2

#### Label elements

Contains: None

### SECTION 2: HAZARDS IDENTIFICATION (CONT'D)

## SAFETY DATA SHEET



Hazard pictogram:

Signal word:

Warning

Hazard statement:

Causes serious eye irritation

Causes skin irritation

Precautionary statements:

- Prevention:

Wear eye protection and protective gloves.

Wash hands thoroughly after handling.

- Response:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

- Storage:

None

- Disposal:

None

Supplemental label information:

None

**Hazards Not Otherwise Classified**

None known

### Hazard summary

Physical hazards:

Not classified for physical hazards.

Health hazards:

May cause serious eye irritation and skin irritation.

Environmental hazards:

Harmful to aquatic life with long lasting effects.

Main symptoms:

May cause serious eye irritation and skin irritation.

**SAFETY DATA SHEET****SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>Percent</b>	<b>CAS No.</b>	<b>Notes</b>
Polyol	< 80	Trade Secret	
4-Nonylphenol, branched, ethoxylated	≥ 10 < 15	127087-87-0	
2-(2-(dimethylamino)ethoxy)ethanol	≥ 0.3 < 3.0	1704-62-7	
Triethylenediamine	≥ 0.2 < 0.3	280-57-9	
N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)	≥ 0.1 < 0.3	3033-62-3	#

# - Substance has Occupational Exposure Limits

Specific chemical identities and/or exact concentrations have been withheld as trade secrets.

**SECTION 4: FIRST AID MEASURES****General Information**

Show this Safety Data Sheet to the medical professional in attendance. If symptoms occur, follow first aid measures as appropriate.

**Description of first aid measures**

Inhalation:

Move victim to fresh air, if symptoms persist, obtain medical attention.

Skin contact:

Remove contaminated clothing. Wash thoroughly with soap and water. Wash contaminated clothing before reuse. If irritation develops or persists, get medical attention.

Eye contact:

Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops, get medical attention.

Ingestion:

Rinse mouth. Drink 200-300 ml of water. Never give anything by mouth to an unconscious or convulsing person. DO NOT induce vomiting. Get medical attention.

Notes to Physician:

Treat Symptomatically

**Most important symptoms and effects, both acute and delayed**

May cause serious eye irritation and skin irritation.

**Indication of any immediate medical attention and special treatment needed**

None known.

**SECTION 5: FIRE FIGHTING MEASURES**

**General fire hazards**

Closed container may forcibly rupture under extreme heat. Use cold water spray to cool fire exposed containers to minimize the risk of rupture. Large fires can be extinguished with large volumes of water applied at a safe distance.

**Extinguishing Media**

Suitable extinguishing media:

Water, Foam, Dry Chemical, Carbon Dioxide. Use extinguishing media appropriate for surrounding material.

Unsuitable extinguishing media:

None known

**Special hazards arising from the substance or mixture**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include but are not limited to: Nitrogen oxides, Carbon Monoxide and Carbon Dioxide.

**Advice for firefighters**

Special protective equipment for firefighters:

Firefighters should use self-contained breathing apparatus and wear full protective equipment. Personnel / bystanders should be kept upwind of fire.

Special firefighting procedures:

Not applicable

Special remarks on fire hazards:

None

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment as recommended in Section 8. Keep unprotected persons away. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Floor may be slippery. Wash thoroughly after handling. Floor may be slippery.

**Methods and materials for containing and cleaning up**

Contain spilled material if possible. Spilled material may cause a slipping hazard. Absorb with materials such as dirt, sand, or sawdust. Collect in suitable container. Wash the spill site with water.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

Use personal protective equipment as recommended in Section 8. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors/mists. Avoid release to the environment.

**Conditions for safe storage, including any incompatibilities**

Store in a dry place, avoid prolonged exposure to heat and air. Store between 70°F and 80°F. Avoid freezing. Avoid contact with oxidizing materials, strong acids and strong bases. Avoid unintended contact with Isocyanates.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**United States. Occupational Exposure Limits:**

Component	CAS No.	Type	Value	Form
4-Nonylphenol branched ethoxylated	127087-87-0	N/A	N/A	N/A
2-(2-(dimethylamino)ethoxy)ethanol	1704-62-7	N/A	N/A	N/A
Triethylenediamine	280-57-9	N/A	N/A	N/A
N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)	3033-62-3	ACGIH TLV-STEL	0.15 ppm	N/A
		ACGIH TLV-TWA	0.05 ppm	N/A

**Appropriate engineering controls**

Observe occupational exposure limits. Local exhaust should be used to maintain levels below the exposure limits. Supplemental local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces. Eye wash station

**Individual Protective Measures**

**General Information:**

Avoid skin and eye contact. Avoid inhalation of vapors and mists. Personal protective equipment should be chosen according to applicable standards and in consultation with the supplier of the personal protective equipment. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT'D)

Eye/face protection:	Wear safety glasses. Chemical resistant goggles recommended.
Skin protection:	Wear protective gloves. Avoid all skin contact. Depending on the conditions of use, cover as much of the exposed skin area as possible with appropriate chemical resistant clothing to prevent skin contact..
Respiratory protection:	When potential exists to exceed exposure limit, an approved air purifying respirator equipped with an organic vapor cartridge and a HEPA particulate filter may be used when an appropriate cartridge change-out schedule has been developed in accordance with the OSHA respiratory protection standard. For most conditions, no respiratory protection should be needed; however if material is heated, sprayed, or causes irritation, use aforementioned respirator.
Thermal hazards:	None known

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

<b>Form</b>	Liquid	<b>Explosive properties</b>	No data available
<b>Color</b>	Yellow to amber	<b>Explosive limit</b>	No data available
<b>Odor</b>	Amine	<b>Vapor pressure</b>	No data available
<b>Odor threshold</b>	No data available	<b>Vapor density</b>	Not applicable
<b>pH</b>	7 - 10	<b>Evaporation rate</b>	No data available
<b>Melting/freezing point</b>	No data available	<b>Relative density</b>	1.03 – 1.06 @25°C
<b>Boiling point, initial boiling point and boiling range</b>	> 284°F	<b>Partition coefficient (n-octanol/water)</b>	No data available
<b>Flash point</b>	> 200°F	<b>Solubility (water)</b>	Slightly soluble
<b>Auto-ignition temperature</b>	> 482°F	<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable	<b>Bulk density</b>	No data available
<b>Flammability limit-lower%</b>	Not applicable	<b>Viscosity</b>	200 – 600 mPa/s @25°C
<b>Flammability limit-upper%</b>	Not applicable	<b>VOC (weight %)</b>	No data available
<b>Oxidizing properties</b>	Not applicable	<b>Percent volatile</b>	No data available

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Product is stable under normal conditions. Product may oxidize at elevated temperatures.
<b>Possibility of hazardous reactions</b>	No hazardous reactions if stored and handled as prescribed. Hazardous polymerization will not occur by itself.
<b>Conditions to avoid</b>	Avoid contact with oxidizing materials, strong acids, and strong bases. Avoid unintended contact with Isocyanates. Product can oxidize at elevated temperatures.
<b>Incompatible materials</b>	Oxidizers, strong acids, and isocyanates.
<b>Hazardous decompositions products</b>	Decomposition products include but are not limited to: Carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen cyanide.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**General information on likely routes of exposure**

Ingestion:	Ingestion may result in gastrointestinal discomfort or distress.
Inhalation:	May cause respiratory irritation.
Skin contact:	Causes skin irritation.
Eye contact:	Cause severe eye irritation.
Symptoms:	Exposure may cause serious eye irritation and skin irritation.

**11.1 Information on toxicological effects**

Acute Toxicity:	Single dose oral and dermal LD50s have not been determined. Estimated LD50 Rat > 2,000 mg/kg.
Serious Eye Damage/Irritation:	No data were identified for this product as a whole. Product contains 2-(2-(dimethylamino)ethoxy)ethanol, Triethylenediamine and N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine), known to cause eye damage, and 4-Nonylphenol branched ethoxylated, which is known to be irritating to the eyes.

**SECTION 11: TOXICOLOGICAL INFORMATION (CONT'D)**

Skin corrosion/Irritation:	No data were identified for this product as a whole. Product contains 2-(2-(dimethylamino)ethoxy)ethanol and N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine), known to cause skin damage, Triethylenediamine and 4-Nonylphenol branched ethoxylated, which are known to be irritating to the skin.
Respiratory/Skin Sensitization:	No data were identified for this product as a whole. Product does not contain any components known to cause sensitization.
Germ Cell Mutagenicity:	No data were identified for this product as a whole. Product does not contain any components known to cause germ cell mutagenicity.
Carcinogenicity:	No data were identified for this product as a whole. Product does not contain any components known to be carcinogenic by NTP, IARC or OSHA.
Reproductive Toxicity:	No data were identified for this product as a whole. Product does not contain any components known to cause reproductive effects.
Developmental Effects:	No data were identified for this product as a whole. Product does not contain any components known to cause developmental effects.
STOT – Single Exposure:	No data were identified for this product. There is no specific target organ toxicity to be expected after a single exposure.
STOT – Repeated Exposure:	No data were identified for this product as a whole. Based on individual components, repeated uptake of the substance not expected to cause substance-related effects.
Aspiration Hazard:	No data were identified for this product or its constituents.
<b>Conclusion/Summary</b>	May cause serious eye irritation and skin irritation.

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.
<b>Persistence and degradability</b>	Poorly biodegradable.
<b>Bioaccumulative potential</b>	Does not significantly accumulate in organisms.
<b>Mobility</b>	Adsorption to solid soil phase is not expected.



**SECTION 12: ECOLOGICAL INFORMATION (CONT'D)**

<b>Results of PBT and vPvB assessment</b>	No data were identified for this product.
<b>Other adverse effects</b>	None known
<b>Conclusion/Summary</b>	Harmful to aquatic life with long lasting effects.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

<b>Residual waste:</b>	Dispose of in accordance with applicable Federal, State and Local regulations.
<b>Contaminated packaging:</b>	Dispose of in accordance with applicable Federal, State and Local regulations. Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch. Do not reuse without thorough commercial cleaning and reconditioning.
<b>Disposal methods/information:</b>	Dispose in accordance with applicable Federal, State and Local regulations. Incinerate or dispose if in a licensed facility.

**SECTION 14: TRANSPORT INFORMATION**

**Classification in accordance with U.S. DOT, IMDG, and IATA:**

<b>UN Number</b>	Not applicable, not regulated as hazardous for transport.
<b>UN proper shipping name</b>	Not applicable, not regulated as hazardous for transport.
<b>Transport hazard class(es)</b>	Not applicable, not regulated as hazardous for transport.
<b>Packing group</b>	Not applicable, not regulated as hazardous for transport.
<b>Environmental hazards</b>	Not applicable, not regulated as hazardous for transport.
<b>Special precautions for user</b>	Not applicable, not regulated as hazardous for transport.

**SECTION 14: TRANSPORT INFORMATION (CONT'D)**

**Transport in bulk according to  
Annex II MARPOL73/78 and the IBC  
Code**

Not applicable, not regulated as hazardous for transport.

The transport regulation may vary based on the country of use. Check for the appropriate regulations in the country of transport or usage of this product.

**SECTION 15: REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**USA Federal Regulations**

29 CFR 1910.1200 Hazard Communication Standard (HCS):	Hazardous
TSCA - U.S. Inventory:	Exempt/Compliant
SARA Title III – Section 302, Extremely Hazardous Substances (EHS):	None Known
CERCLA - Hazardous substances:	None Known
SARA Title III – 311/312, Hazard Classes:	
Fire / Flammability	No
Reactivity	No
Release of Pressure	No
Acute Health Hazard	Yes
Chronic Health Hazard	No
SARA Title III – Section 313:	None Known

**USA State Regulations**

California Prop 65:	Warning: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.
Massachusetts – Right-to-Know:	None
New Jersey – Right-to-Know:	Bis(2-dimethylaminoethyl) ether CAS :3033-62-2
Pennsylvania – Right-to-Know:	None

**SECTION 15: REGULATORY INFORMATION (CONT'D)**

**Other Regulations**

All shipping mailer packaging and packaging components, manufactured in the United States by Pregis Innovative Packaging, Inc., comply with the several United States' enacted provisions of the Coalition of Northeast Governors ("CONEG") legislative model for the reduction of toxics in packaging and the California Toxics in Packaging Prevention Act. Pregis Innovative Packaging, Inc.'s manufacturing practices prohibit the intentional introduction of cadmium (Cd), hexavalent chromium (Cr +6), lead (Pb), or mercury (Hg) into its products' formulations. Further, the cumulative total of all such metals' incidental concentrations does not exceed 100 parts per million (ppm).

**SECTION 16: OTHER INFORMATION**

**List of abbreviations**

ACGIH	American Conference of Industrial Hygienists
CFR	Code of Federal Regulations
DOT	Department of Transportation
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG	International Maritime Dangerous Goods
MARPOL	International Convention for the Prevention of Pollution from Ships
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
vPvB	Very Persistent and Very Bioaccumulative

**SECTION 16: OTHER INFORMATION**

**SDS Revisions**

SDS prepared on 6 March 2015.

**Disclaimer**

Information provided by sources external to our company and set forth herein is offered in good faith as accurate, but without guarantee. Safety precautions contained herein cannot anticipate all individual and unique situations. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are, therefore, assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing herein is intended as recommendation for uses which infringe valid patents or as extension of license under valid patents. Appropriate warnings and safe handling procedures should be provided to users.