

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product identifier

Trade name: **IntelliPack SmartFOAM™ B**
Including MLD
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

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 1
Skin Corrosion/Irritation – Category 2

Label elements

Contains: None

SECTION 2: HAZARDS IDENTIFICATION (CONT'D)

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Hazard pictogram:

Signal word:

Danger

Hazard statement:

Causes serious eye damage

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.

Immediately 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

Other hazards

Harmful to aquatic life with long lasting effects.

Hazard summary

Physical hazards:

Not classified for physical hazards.

Health hazards:

May cause serious eye damage and skin irritation.

Environmental hazards:

Harmful to aquatic life with long lasting effects.

Main symptoms:

May cause serious eye damage and skin irritation. Vapor from heated material or mist may cause respiratory irritation.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Percent	CAS No.	Notes
Polyether polyol	45 - 55	Trade Secret	
Polyether polyol	20 - 35	Trade Secret	
Nonylphenol polyethylene glycol ether	5 - 15	127087-87-0	
Glycerol	1 - 10	56-81-5	#
N,N-Dimethyldiglycolamine	1 - 5	1704-62-7	
9-Octadecenoic acid	1 - 5	112-81-0	
Water	10 - 20	7732-18-5	

- 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. 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 damage and skin irritation. Vapor from heated material or mist may cause respiratory 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:

Do not use direct water stream which may spread fire.

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. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.

Conditions for safe storage, including any incompatibilities

Store in a dry place, avoid prolonged exposure to heat and air. Store between 59°F and 95°F. 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
Nonylphenol polyethylene glycol ether	127087-87-0	N/A	N/A	N/A
Glycerol	56-81-5	OSHA PEL-TWA	15 mg/m3	Mist, total particulate
		OSHA PEL-TWA	5 mg/m3	Mist, respirable fraction
N,N-Dimethyldiglycolamine	1704-62-7	N/A	N/A	N/A
9-Octadecenoic acid	112-81-0	N/A	N/A	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 should be located in immediate work area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION (CON'T)

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.

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 (P100) 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

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form	Liquid	Explosive properties	No data available
Color	Orange to brown	Explosive limit	No data available
Odor	Mild	Vapor pressure	No data available
Odor threshold	No data available	Vapor density	< 1 @25°C
pH	No data available	Evaporation rate	No data available
Melting/freezing point	No data available	Relative density	1.04
Boiling point, initial boiling point and boiling range	No data available	Partition coefficient (n-octanol/water)	No data available
Flash point	> 212°F	Solubility (water)	Moderately soluble
Auto-ignition temperature	No data available	Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable	Bulk density	No data available
Flammability limit-lower%	Not applicable	Viscosity	784 cST @25°C
Flammability limit-upper%	Not applicable	VOC (weight %)	No data available
Oxidizing properties	Not applicable	Percent volatile	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Product is stable under normal conditions. Product may oxidize at elevated temperatures.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed. Hazardous polymerization will not occur by itself.

Conditions to avoid

Avoid contact with oxidizing materials, strong acids, and strong bases. Avoid unintended contact with amines and isocyanates. Product can oxidize at elevated temperatures.

Incompatible materials

Oxidizers, strong acids, strong bases, amines and isocyanates.

Hazardous decompositions products

Decomposition products include but are not limited to: Carbon dioxide, alcohols, ethers, hydrocarbons, ketones and polymer fragments.

SECTION 11: TOXICOLOGICAL INFORMATION

General information on likely routes of exposure

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

11.1 Information on toxicological effects

Acute Toxicity:	Single dose oral and dermal LD50s has not been determined. Estimated product dermal and oral LD50 Rat > 2,000 mg/kg.
Serious Eye Damage/Irritation:	No data were identified for this product as a whole. Product contains N,N-Dimethyldiglycolamine, known to cause eye damage, and nonylphenol polyethylene glycol ether, which is known to be irritating to the eyes.
Skin corrosion/Irritation:	No data were identified for this product as a whole. Product contains N,N-Dimethyldiglycolamine, known to cause skin damage, and 4-nonylphenol polyethylene glycol ether, which is 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. Reproductive effects seen in female animals are believed to be due to altered nutritional states resulting from extremely high doses of glycerine given in the diet. Similar effects have been seen in animals fed synthetic diets.
Developmental Effects:	No data were identified for this product as a whole. Product does not contain any components known to cause developmental effects. Components test have been toxic to the fetus in laboratory animals only at maternally toxic doses. Minor component(s) did not cause birth defects or any other fetal effects in laboratory animals.

SECTION 11: TOXICOLOGICAL INFORMATION (CONT'D)

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. Repeated exposure not expected to cause substance-related effects. For the minor component(s): Excessive exposure to glycerine may cause increased fat levels in blood. In animals, effects have been reported on the gastrointestinal respiratory tracts.
Aspiration Hazard:	No data were identified for this product or its constituents.
Conclusion/Summary	May cause serious eye damage and skin irritation. Vapor from heated material or mist may cause respiratory irritation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	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. Polyether polyols, 9-octadecenoic acid and glycerol are practically non-toxic LC50/EC50/EL50/LL50 >100 mg/L. N,N-Dimethyldiglycolamine is practically non-toxic, fish LC50 > 100 mg/L, but may increase pH of aquatic systems which may be toxic to aquatic organisms Nonylphenol polyethylene glycol ether is moderately toxic, LC50/EC50 1 – 10 mg/L in fish and invertebrates.
Persistence and degradability	Nonylphenol polyethylene glycol ether, glycerol, 9-octadecenoic acid and the primary polyether polyol are considered to be readily biodegradable. The secondary polyether polyol cannot be considered as readily biodegradable; however, this does not necessarily mean that the material is not biodegradable under environmental conditions. Biodegradation of N,N-dimethyldiglycolamine under aerobic laboratory conditions was below detectable limits.
Bioaccumulative potential	No bioconcentration of polyether polyols is expected because of the relatively high molecular weight and high water solubility. No bioconcentration of nonylphenol polyethylene glycol ether is expected because of the relatively high water solubility. Bioconcentration potential is low (BCF < 100 or Log Pow < 3) for 9-octadecenoic acid, glycerol, and N,N-dimethyldiglycolamine.

SECTION 12: ECOLOGICAL INFORMATION (CONT'D)

Mobility	No data were identified for this product as a whole. Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process for glycerol or N,N-dimethyldiglycolamine. 9-octadecenoic acid is expected to be relatively immobile in soil (Koc > 5000).
Results of PBT and vPvB assessment	No data were identified for this product.
Other adverse effects	None known
Conclusion/Summary	Harmful to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Residual waste:	Dispose of in accordance with applicable Federal, State and Local regulations.
Contaminated packaging:	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.
Disposal methods/information:	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:

UN Number	Not applicable, not regulated as hazardous for transport.
UN proper shipping name	Not applicable, not regulated as hazardous for transport.
Transport hazard class(es)	Not applicable, not regulated as hazardous for transport.

SECTION 14: TRANSPORT INFORMATION (CONT'D)

Packing group	Not applicable, not regulated as hazardous for transport.
Environmental hazards	Not applicable, not regulated as hazardous for transport.
Special precautions for user	Not applicable, not regulated as hazardous for transport.
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, birth defects or other reproductive harm.
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SECTION 15: REGULATORY INFORMATION (CONT'D)

Massachusetts – Right-to-Know:

Glycerol CAS: 56-81-5

New Jersey – Right-to-Know:

Glycerol CAS: 56-81-5

Pennsylvania – Right-to-Know:

Glycerol CAS: 56-81-5, 9-Octadecenoic acid CAS: 112-81-0

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

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)
PEL	Permissible Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
vPvB	Very Persistent and Very Bioaccumulative

SECTION 16: OTHER INFORMATION (CONT'D)

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.