

SECTION 1: IDENTIFICATION**Product identifier**

Trade name: **IntelliPack SmartFOAM™ B**
Including HE and SE

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

Preparation/Revision date: 30 August 2018

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 sheetManufacturer / 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: Eye Irritation – Category 2A
Skin Irritation – Category 2

Label elements

Contains: None

SECTION 2: HAZARDS IDENTIFICATION (CONT'D)


Hazard pictogram:

Signal word:

Hazard statement:

Warning

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:

Not classified for hazards to the environment.

Main symptoms:

May cause serious eye irritation and skin irritation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Percent | CAS No. | Notes |
|----------------------|----------------|----------------|--------------|
| Glycerol | <10 | 56-81-5 | # |
| Tertiary Amine | *Trade Secret | | |
| Ethoxylated Phenol | *Trade Secret | | |

- 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 60°F and 80°F. Avoid freezing. Protect against moisture. 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 |
|--------------------|---------|--------------|----------------------|---------------------------|
| Glycerol | 56-81-5 | OSHA PEL-TWA | 15 mg/m ³ | Mist, total particulate |
| | | OSHA PEL-TWA | 5 mg/m ³ | Mist, respirable fraction |
| Tertiary Amine | | N/A | N/A | N/A |
| Ethoxylated Phenol | | 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.

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.

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

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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|---------------------------------------------------------------|-------------------|------------------------------------------------|-----------------------|
| Form | Liquid | Explosive properties | No data available |
| Color | Yellow to amber | Explosive limit | No data available |
| Odor | Amine | Vapor pressure | No data available |
| Odor threshold | No data available | Vapor density | Not applicable |
| pH | 7 - 10 | Evaporation rate | No data available |
| Melting/freezing point | No data available | Relative density | 1.03 – 1.06 @25°C |
| Boiling point, initial boiling point and boiling range | No data available | Partition coefficient (n-octanol/water) | No data available |
| Flash point | None (ASTM D-93) | Solubility (water) | Slightly 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 | 200 – 600 mPa/s @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

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

SECTION 10: STABILITY AND REACTIVITY (CONT'D)

| | |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Isocyanates. Product can oxidize at elevated temperatures. |
| Incompatible materials | Oxidizers, strong acids, and isocyanates. |
| Hazardous decompositions products | Decomposition products include but are not limited to: Carbon monoxide and carbon dioxide. |

SECTION 11: TOXICOLOGICAL INFORMATION**General information on likely routes of exposure**

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|---------------|------------------------------------------------------------------|
| 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

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|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Toxicity: | Single dose oral and dermal LD50s has not been determined. Estimated product toxicity LD50 Rat > 2,000 mg/kg. |
| Serious Eye Damage/Irritation: | No data were identified for this product as a whole. Product contains Tertiary amines, known to cause eye damage, and Ethoxylated phenol, which is known to be irritating to the eyes. |
| Skin corrosion/Irritation: | No data were identified for this product as a whole. Product contains Tertiary amines, known to cause skin damage, and Ethoxylated phenol, 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. |

SECTION 11: TOXICOLOGICAL INFORMATION (CONT'D)

| | |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Conclusion/Summary | May cause serious eye irritation and skin irritation. |

SECTION 12: ECOLOGICAL INFORMATION

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| Ecotoxicity | There is a high probability that the product is not acutely harmful to aquatic organisms. |
| Persistence and degradability | Poorly biodegradable. |
| Bioaccumulative potential | Does not significantly accumulate in organisms. |
| Mobility | Adsorption to solid soil phase is not expected. |
| Results of PBT and vPvB assessment | No data were identified for this product. |
| Other adverse effects | None known |
| Conclusion/Summary | This product is not classified as hazardous to the environment. |

SECTION 13: DISPOSAL CONSIDERATIONS**Waste treatment methods**

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|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:**

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|-----------------------------------------------------------------------------|-----------------------------------------------------------|
| 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. |
| 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

| | |
|--------------------------------|-----------------------|
| 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 |

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 |

SDS Revisions

SDS prepared on 25 January 2018. Revised 30 August 2018.

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.