INTELLIPACK
FOAM-IN-PLACE SYSTEM BY PREGIS

SAFETY DATA SHEET

A Safety Data Sheet is not legally required for this product under the OSHA Hazard Communication Standard (29 CFR 1910.1200). The following information is provided as a courtesy service to our customers.

SECTION 1: IDENTIFICATION

Product identifier

Trade name:	**POLYURETHANE FOAM**
Synonym(s):	None known
Preparation/Revision date:	15 December 2015

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

Identified uses:	Protective packaging – Flexible Polyurethane foam
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

Not regulated per OSHA Hazard Communication Standard 29 CFR 1910.1200.

This product conforms to the U.S. OSHA Hazard Communication Standard's definition of an "Article," i.e., "…a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical , and does not pose a physical hazard or health risk to employees.

SECTION 2: HAZARDS IDENTIFICATION (CONT'D)

Label elements

POLYURETHANE FOAM

Contains:	None
Hazard pictogram:	None
Signal word:	None
Hazard statement:	None
Precautionary statements:	
- Prevention:	None
- Response:	None
- Storage:	None
- Disposal:	None
Supplemental label information**:**	None

Other hazards None

Hazard summary

Physical hazards:	Not classified for physical hazards.
Health hazards:	Not classified for health hazards.
Environmental hazards:	Not classified for hazards to the environment.
Main symptoms:	Eye and skin contact may clause irritation. Inhalation of processing fumes or dusts may cause respiratory irritation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

This product conforms to the U.S. OSHA Hazard Communication Standard's definition of an "Article," i.e., "…a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees." The following information is provided as a courtesy.

Chemical Name	Percent	CAS No.	Notes
Polyurethane foam	100		

SECTION 4: FIRST AID MEASURES

General Information	Show this Safety Data Sheet to the medical professional in attendance. Adverse health effects are not anticipated with use of this product as intended. If symptoms occur, follow first aid measures as appropriate.
Description of first aid measures	
Inhalation:	If symptoms are experienced, move victim to fresh air, if symptoms persist, obtain medical attention.
Skin contact:	Wash contaminated skin with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact:	Rinse immediately with plenty of water, including under the eyelids. Get medical attention if irritation develops or symptoms persist.
Ingestion:	If gastric irritation or discomfort persists seek medical advice.
Notes to Physician:	None specified
Most important symptoms and effects, both acute and delayed	Eye contact may clause irritation. In rare cases, individuals may experience irritation or reddening of skin. Inhalation of processing fumes or dusts may cause respiratory irritation.
Indication of any immediate medical attention and special treatment needed	None known

SECTION 5: FIRE FIGHTING MEASURES

General fire hazards	Burning or heating of polyurethane foams may result in the generation of toxic vapors. Cutting or grinding may create combustible dusts.
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	Burning of polyurethane foams may result in the generation of combustion products including, CO, CO2, and hydrogen cyanide. Inhalation of these and other chemicals may result in severe irritation, difficulty breathing, asphyxiation and unconsciousness.

SECTION 5: FIRE FIGHTING MEASURES (CONT'D)

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	Protective clothing is not required under normal conditions of intended use, however, the use of gloves and safety glasses is consistent with good manufacturing and hygienic practice.
Methods and materials for containing and cleaning up	No special measures necessary beyond general housekeeping. Pick up and retaining material for recycling or disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Wear gloves and safety glasses consistent with good manufacturing and hygiene practice. Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator as needed. Control any vapor or dust emissions that may be generated by further processing of product.
Conditions for safe storage, including any incompatibilities	Store in well-ventilated areas. Keep away from excessive heat and any sources of ignition such as sparks or flame.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

United States. Occupational Exposure Limits

Component	CAS No.	Type	Value	Form
Nuisance dust	N/A	ACGIH TWA	10 mg/m^3	Total dust
Nuisance dust	N/A	ACGIH TWA	3 mg/ m^3	Respirable dust
Nuisance dust	N/A	OSHA PEL	15 mg/ m^3	Total dust
Nuisance dust	N/A	OSHA PEL	5 mg/ m^3	Respirable dust

Appropriate engineering controls

Local ventilation should be provided if product is further processed producing dust or fumes. General ventilation may also be used, but local ventilation is usually preferable.

Individual Protective Measures

General Information:

The following general hygiene considerations are recognized as common, good industrial hygiene practices. Wash hands after use and before eating, avoid breathing dust, and wear safety glasses.

Eye/face protection: Wear safety glasses.

Skin protection: Wear protective gloves.

Respiratory protection: If product is being further processed producing dust or fumes and adequate ventilation should be provided. In case of inadequate ventilation or risk of inhalation of dust or fumes, wear a suitable organic vapor/particulate respirator.

Thermal hazards: None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form	Solid polyurethane foam	**Explosive properties**	Not applicable
Color	No Data	**Explosive limit**	Not applicable
Odor	No Data	**Vapor pressure**	No Data
Odor threshold	No Data	**Vapor density**	No Data
pH	Not applicable	**Evaporation rate**	No Data
Melting/freezing point	No Data	**Relative density**	No Data
Boiling point, initial boiling point and boiling range	No Data	**Partition coefficient (n-octanol/water)**	No Data
Flash point	Not applicable	**Solubility (water)**	Insoluble in water
Auto-ignition temperature	No Data	**Decomposition temperature**	No Data
Flammability (solid, gas)	Polyurethane foam is combustible	**Bulk density**	No Data
Flammability limit-lower%	Not applicable	**Viscosity**	Not applicable
Flammability limit-upper%	Not applicable	**VOC (weight %)**	No Data
Oxidizing properties	Not applicable	**Percent volatile**	No Data

SECTION 10: STABILITY AND REACTIVITY

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

Chemical stability — Material is stable under normal conditions.

Possibility of hazardous reactions — Hazardous polymerization will not occur.

Conditions to avoid — Avoid contact with strong oxidizers, excessive heat (> 300 degrees Fahrenheit), sparks or open flame.

Incompatible materials — Strong oxidizers

Hazardous decompositions products — If product is heated above decomposition temperature, toxic vapors will be released. Burning of polyurethane foams may result in the generation of combustion products including, CO, CO2, and hydrogen cyanide.

SECTION 11: TOXICOLOGICAL INFORMATION

General information on likely routes of exposure

Ingestion:	No adverse effects known to be associated with ingestion of small amounts of this inert material. Ingestion of large quantities may result in gastrointestinal discomfort or distress.
Inhalation:	Inhalation of fumes from heated foam may cause irritation of respiratory tract, chest discomfort, dizziness and/or unconsciousness. Inhalation of dust may cause respiratory irritation. Polyurethane dust from grinding and pulverizing operations is considered nuisance dust.
Skin contact:	May cause irritation.
Eye contact:	May cause irritation.
Symptoms:	Eye and skin contact may clause irritation. Inhalation of processing fumes or dusts may cause respiratory irritation.

11.1 Information on toxicological effects

Acute Toxicity:	Overexposure to dusts from the foam may cause mechanical irritation of the eyes, skin and respiratory tract. Burning of polyurethane foams may result in the generation of combustion products including, CO, CO2, and hydrogen cyanide. Inhalation of these and other chemicals may result in severe irritation, difficulty breathing, asphyxiation and unconsciousness..
Serious Eye Damage/Irritation:	May cause eye irritation.
Skin corrosion/Irritation:	May cause skin irritation.
Respiratory/Skin Sensitization:	No data were identified for this product. Not expected to be sensitizing.
Germ Cell Mutagenicity:	No data were identified for this product. Not expected to be mutagenic.
Carcinogenicity:	Polyurethane foams are not classifiable as to its carcinogenicity to humans (IARC).
Reproductive Toxicity:	No data were identified for this product. Not expected to be a reproductive hazard.
Developmental Effects:	No data were identified for this product. Not expected to be a developmental hazard.
STOT – Single Exposure:	No data were identified for this product. Not expected to be a Specific Target Organ Toxicity hazard.
STOT – Repeated Exposure:	No data were identified for this product. Not expected to be a Specific Target Organ Toxicity hazard.
Aspiration Hazard:	Not relevant based on physical form of the product.
Conclusion/Summary	Skin and eye contact may clause slight irritation. Inhalation of processing fumes or dusts may cause upper respiratory irritation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility	No data available
Results of PBT and vPvB assessment	Not a PBT or vPvB material
Other adverse effects	None known
Conclusion/Summary	Not known to pose a significant hazard to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Residual waste:	Dispose as normal, non-hazardous, solid waste, in accordance with applicable Federal, State and Local regulations.
Contaminated packaging:	Dispose as normal, non-hazardous, solid waste, in accordance with applicable Federal, State and Local regulations.
Disposal methods/information:	This material is NOT classified as a Hazardous Material by RCRA.

SECTION 14: TRANSPORT INFORMATION

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.

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):	Not regulated
TSCA:	Released / listed

SECTION 16: OTHER INFORMATION

List of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CFR	Code of Federal Regulations
IARC	International Agency for Research on Cancer
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
MARPOL	International Convention for the Prevention of Pollution from Ships
OSHA	Occupational Safety and Health Administration (United States)
PEL	Permissible Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic
RCRA	Resource Conservation and Recovery 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 15 December 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.