

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: Intellipack Smart Film
Synonym(s): None known
Preparation/Revision date: 6 March 2015

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

Identified uses: Protective packaging
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.

SECTION 2: HAZARDS IDENTIFICATION (CONT'D)

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.

Label elements

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:	Inhalation of fumes from heated plastic may cause irritation of respiratory tract, chest discomfort and dizziness. Solid particles may cause transient irritation from mechanical abrasion.

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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.

<u>Chemical Name</u>	<u>Percent</u>	<u>CAS No.</u>	<u>Notes</u>
High density polyethylene-butene copolymer	96	25087-34-7	
Proprietary blend of components encapsulated within a polymer matrix	4	Proprietary	

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

Inhalation of fumes from heated plastic may cause irritation of respiratory tract, chest discomfort and dizziness. Solid particles may cause transient irritation from mechanical abrasion.

Indication of any immediate medical attention and special treatment needed

None known.

SECTION 5: FIRE FIGHTING MEASURES

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General fire hazards

Dense smoke may be emitted when burned.

Extinguishing Media

Suitable extinguishing media:

Water, Foam, CO₂, and Dry Chemical. Use extinguishing media appropriate for surrounding material.

Unsuitable extinguishing media:

None known.

Special hazards arising from the substance or mixture

Burning may produce carbon monoxide, carbon dioxide, hydrocarbons and other possible toxic combustion products.

Advice for firefighters

Special protective equipment for firefighters:

Use positive-pressure, self-contained breathing apparatus. Personnel/bystanders should be kept upwind of fire

Special firefighting procedures:

None known

Special remarks on fire hazards:

In its present form, this product offers no unusual fire and explosion hazards. However, dust from further processing could present an explosion hazard.

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

Sweep up and dispose of, in accordance with local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid dust formation during handling. Provide appropriate local ventilation at machinery and at places where dust can be generated. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area. Store away from sources of heat, flame and sparks.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

No Occupational Exposure Limits established.

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Appropriate engineering controls

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Individual Protective Measures

General Information:

There are no known health hazards associated with this material when used as recommended. 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:

Use safety glasses.

Skin protection:

Wear appropriate gloves when handling material.

Respiratory protection:

Not required under normal process conditions with adequate ventilation.

Thermal hazards:

Molten polymer may cause thermal burns.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form	Solid, plastic film	Explosive properties	Not applicable
Color	Clear , tinted or opaque	Explosive limit	Not applicable
Odor	Odorless	Vapor pressure	Not applicable
Odor threshold	Not applicable	Vapor density	Not applicable
pH	Not applicable	Evaporation rate	Not applicable
Melting/freezing point	No data available	Relative density	Not applicable
Boiling point, initial boiling point and boiling range	Not applicable	Partition coefficient (n-octanol/water)	Not applicable
Flash point	Not applicable	Solubility (water)	No data available
Auto-ignition temperature	No data available	Decomposition temperature	No data available
Flammability (solid, gas)	No data available	Bulk density	Not applicable
Flammability limit-lower%	Not applicable	Viscosity	Not applicable
Flammability limit-upper%	Not applicable	VOC (weight %)	Not applicable
Oxidizing properties	Not applicable	Percent volatile	Not applicable

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	Do not store near heat, flame, strong oxidizing agents, acids or bases.
Incompatible materials	None known.
Hazardous decompositions products	Carbon monoxide, carbon dioxide, hydrocarbons and other possible toxic substances can be generated during thermal decomposition and combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

General information on likely routes of exposure

Ingestion:	Not a likely route of exposure. May cause irritation to the throat, mouth and stomach and/or may cause nausea.
Inhalation:	Not a likely route of exposure. Process fumes may cause irritation.
Skin contact:	Not expected to cause skin irritation. Molten material may cause thermal burns.
Eye contact:	Solid particles may cause transient irritation from mechanical abrasion.
Symptoms:	Inhalation of fumes from heated plastic may cause irritation of respiratory tract, chest discomfort and dizziness. Solid particles may cause transient irritation from mechanical abrasion.

11.1 Information on toxicological effects

Acute Toxicity:	No data were identified for this product.
Serious Eye Damage/Irritation:	No data were identified for this product. Solid particles may cause transient irritation from mechanical abrasion.
Skin corrosion/Irritation:	No data were identified for this product. Not expected to cause skin irritation. Molten material may cause thermal burns.
Respiratory/Skin Sensitization:	No data were identified for this product. Product contains no known sensitizers.

SECTION 11: TOXICOLOGICAL INFORMATION (CONT'D)

Germ Cell Mutagenicity:	No data were identified for this product. Product contains no known mutagenic substances.
Carcinogenicity:	The components of this product are not classified as carcinogenic by OSHA, NTP or IARC.

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Reproductive Toxicity:	No data were identified for this product. Product contains no known reproductive toxins.
Developmental Effects:	No data were identified for this product. Product contains no known developmental toxins.
STOT – Single Exposure:	Single exposures not anticipated to cause significant adverse effects.
STOT – Repeated Exposure:	Repeated exposures not anticipated to cause significant adverse effects.
Aspiration Hazard:	Not relevant based on physical form of the product.

Conclusion/Summary This product is not expected to produce toxic effects.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data were identified for this product.
Persistence and degradability	No data were identified for this product.
Bioaccumulative potential	No data were identified for this product.
Mobility	No data available
Results of PBT and vPvB assessment	No data available.
Other adverse effects	None known
Conclusion/Summary	Not classified for hazards 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:	Recycle, landfill or incinerate in accordance with applicable Federal, State and Local regulations.

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.
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:

All components listed or exempt

SARA III, Sec. 313:

None

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
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)
PBT	Persistent, Bioaccumulative and Toxic
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
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.