

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product identifier

Trade name: **IntelliPack SmartFOAM™ SmartLube**

Synonym(s): IntelliPack foam-in-place packaging SmartLube

Preparation/Revision date: 6 March 2015

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

Identified uses: Protective packaging – Lubricant

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: Flammable Liquid – Category 4

Label elements

Hazard pictogram: None

Signal word: Warning

Hazard statement: Combustible liquid

SECTION 2: HAZARDS IDENTIFICATION (CONT'D)

SAFETY DATA SHEET

Precautionary statements:

- Prevention: Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves/eye protection/face protection.
 - Response: In case of fire: Use water spray, dry chemical, carbon dioxide or alcohol foam to extinguish.
 - Storage: Store in a well-ventilated place. Keep cool.
 - Disposal: Dispose of in accordance with local/regional/national/international regulations.
- Supplemental label information: None

Hazards Not Otherwise Classified None known

Hazard summary

- Physical hazards: Combustible liquid.
- Health hazards: Not classified for health hazards.
- Environmental hazards: Not classified for environmental hazards.
- Main symptoms: High vapor concentrations may cause eye and respiratory irritation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Percent	CAS No.	Notes
Diethylene glycol monoethyl ether	100	111-90-0	

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.

SECTION 4: FIRST AID MEASURES (CONT'D)

SAFETY DATA SHEET

Ingestion: Rinse mouth. Never give anything by mouth to an unconscious or convulsing person. DO NOT induce vomiting. Get medical attention. Treat Symptomatically

Notes to Physician:

Most important symptoms and effects, both acute and delayed High vapor concentrations may cause eye and 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, carbon dioxide and water.

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: None

Special remarks on fire hazards: None

SAFETY DATA SHEET

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as recommended in Section 8. Eliminate all ignition sources. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Wash thoroughly after handling.

Methods and materials for containing and cleaning up

Contain the spill to prevent spread if possible. Absorb with inert materials such as vermiculite, dirt, sand or sawdust. Collect in suitable container for disposal.

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 breathing high vapor concentrations. Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Store between 50°F and 100°F. Keep away from heat and flame. Store in a dry place. Keep container tightly closed. Avoid prolonged exposure to heat, light and air.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

United States. Occupational Exposure Limits:

Component	CAS No.	Type	Value	Form
Diethylene glycol monoethyl ether	111-90-0	AIHA WEEL-TWA	25 ppm	N/A

Appropriate engineering controls

Observe occupational exposure limits. Local exhaust should be used to maintain levels below the exposure limits. Eye wash station should be located in immediate work area

Individual Protective Measures

General Information:

Avoid contact with eyes, skin and clothing. Avoid breathing high vapor concentrations. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking.

SAFETY DATA SHEET

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

Eye/face protection:	Avoid eye contact. Wear safety glasses with side shields or goggles. Chemical resistant goggles recommended.
Skin protection:	Avoid skin contact. Wear chemical resistant gloves and protective clothing appropriate for the risk of exposure.
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

Form	Liquid	Explosive properties	No data available
Color	Colorless	Explosive limit	No data available
Odor	Mild	Vapor pressure	No data available
Odor threshold	1.1 ppm	Vapor density	4.6
pH	No data available	Evaporation rate	No data available
Melting/freezing point	-130°F	Relative density	No data available
Boiling point, initial boiling point and boiling range	388°F	Partition coefficient (n-octanol/water)	No data available
Flash point	196°F	Solubility (water)	Soluble
Auto-ignition temperature	399°F	Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable	Bulk density	No data available
Flammability limit-lower%	Not applicable	Viscosity	4.5 mPa/s
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	Product is stable if stored and handled as prescribed..
Chemical stability	Product is stable if stored and handled as prescribed.

SECTION 10: STABILITY AND REACTIVITY (CONT'D)

Possibility of hazardous reactions	Hazardous Polymerization will not occur.
Conditions to avoid	Avoid contact with oxidizing materials, strong acids and strong bases. Do not distill to dryness. Product can oxidize at elevated temperatures.
Incompatible materials	Oxidizing materials.
Hazardous decompositions products	Decomposition products include but are not limited to: Aldehydes, ketones and organic acids.

SECTION 11: TOXICOLOGICAL INFORMATION

General information on likely routes of exposure

Ingestion:	Ingestion may result in gastrointestinal discomfort or distress.
Inhalation:	High vapor concentrations may cause respiratory irritation.
Skin contact:	May cause slight skin irritation.
Eye contact:	High vapor concentrations may cause eye irritation.
Symptoms:	May cause slight skin irritation. High vapor concentrations may cause eye and respiratory irritation

11.1 Information on toxicological effects

Acute Toxicity:	Oral LD-50:(rat) 10,502 mg/kg, Oral LD-50:(mouse) 6,301 mg/kg, Dermal LD-50: (rabbit) 9,143 mg/kg, Inhalation LC-50: (rat) 1 h: > 200 mg/L
Serious Eye Damage/Irritation:	May cause slight eye irritation. Slightly irritating to the eyes of rabbits.
Skin corrosion/Irritation:	May cause slight skin irritation. Slightly irritating to the skin of rabbits and guinea pigs.
Respiratory/Skin Sensitization:	Not sensitizing in a human patch test.
Germ Cell Mutagenicity:	In vitro tests did not show mutagenic effects. In vivo tests did not show mutagenic effects.
Carcinogenicity:	The ingredients of this product (>0.1%) are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA and not listed as carcinogens by NTP.
Reproductive Toxicity:	Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.
Developmental Effects:	No data were identified for this product or its constituents.
STOT – Single Exposure:	No significant toxicity observed in animal studies at concentrations requiring classification.

SAFETY DATA SHEET

SECTION 11: TOXICOLOGICAL INFORMATION (CONT'D)

STOT – Repeated Exposure:	No significant toxicity observed in animal studies at concentrations requiring classification.
Aspiration Hazard:	No data were identified for this product or its constituents.
Conclusion/Summary	May cause slight eye and skin irritation. High vapor concentrations may cause eye and respiratory irritation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	96 h LC-50 (bluegill sunfish): > 10000 mg/L 96 h LC-50 (tidewater silverside): > 10000 mg/L 24 h LC-50 (goldfish): > 5000 mg/L
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	Significant accumulation in organisms is not to be expected. Low log Pow.
Mobility	No data were identified for this product.
Results of PBT and vPvB assessment	No data were identified for this product.
Other adverse effects	None known
Conclusion/Summary	Not classified for environmental hazards.

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. If container is to be disposed, ensure all product residues are removed prior to disposal.
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	NA1993*
UN proper shipping name	Combustible liquid, n.o.s. (Diethylene glycol monoethyl ether)*
Transport hazard class(es)	Combustible liquid*
Packing group	III*
Environmental hazards	Not applicable
Special precautions for user	None known
Transport in bulk according to Annex II MARPOL73/78 and the IBC Code	Not applicable

* Combustible liquid Packing Group III for quantities of 450 liters (119 gallons) or more for U.S. DOT domestic transport; not regulated for smaller quantities or IATA and IMDG.

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	Yes
Reactivity	No
Release of Pressure	No
Acute Health Hazard	No
Chronic Health Hazard	No
SARA Title III – Section 313:	None Known

USA State Regulations

Massachusetts – Right-to-Know:	None
New Jersey – Right-to-Know:	None
Pennsylvania – Right-to-Know:	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

AIHA	American Industrial Hygiene Association
CFR	Code of Federal Regulations
DOT	Department of Transportation
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
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
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
vPvB	Very Persistent and Very Bioaccumulative
WEEL	Workplace Environmental Exposure Levels

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.