SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product identifier

Trade name: IntelliPack SmartFOAM™ A
Synonym(s): IntelliPack foam-in-place packaging component A
Preparation/Revision date: 6 July 2015

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

Identified uses: Protective packaging – Foam component A
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:

George T Allen
Director of Material Sciences and Technical Services
Telephone: (559) 651-0951 x 101
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:
- Acute Inhalation – Category 4
- Serious Eye Damage/Eye Irritation – Category 2
- Skin Corrosion/Irritation – Category 2
- Skin Sensitization - Category 1
- Respiratory Sensitization - Category 1
SECTION 2: HAZARDS IDENTIFICATION (CONT’D)

STOT Single Exposure - Category 3
STOT Repeated Exposure - Category 2

Label elements

<table>
<thead>
<tr>
<th>Hazard pictogram:</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal word:</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>Hazard statement:</td>
<td>Causing serious eye irritation</td>
</tr>
<tr>
<td></td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td></td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td></td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled</td>
</tr>
<tr>
<td></td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td></td>
<td>May cause damage to organs through prolonged or repeated exposure by inhalation</td>
</tr>
</tbody>
</table>

Precautionary statements:

- Prevention:
  - Do not breathe dust/gas/mist/vapors.
  - In case of inadequate ventilation: wear respiratory protection.
  - Use only outdoors or in a well-ventilated area.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - Wash hands thoroughly after handling.
  - Contaminated work clothing must not be allowed out of the workplace.

- Response:
  - If inhaled: Remove person to fresh air and keep comfortable for breathing.
  - Call a poison center or doctor/physician if you feel unwell.
  - Get medical advice/attention if you feel unwell.
  - If exposed or concerned: Get medical advice/attention.
  - 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 or rash occurs: Get medical advice/attention.
  - Take off contaminated clothing and wash before reuse.

- Storage:
  - Store locked up.

- Disposal:
  - Dispose of in accordance with local/regional/national/international regulations.
### SECTION 2: HAZARDS IDENTIFICATION (cont’d)

<table>
<thead>
<tr>
<th>Supplemental label information:</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazard summary</strong></td>
<td></td>
</tr>
<tr>
<td>Physical hazards:</td>
<td>Not classified for physical hazards.</td>
</tr>
<tr>
<td>Health hazards:</td>
<td>May causes eye, skin and respiratory irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.</td>
</tr>
<tr>
<td>Environmental hazards:</td>
<td>Not classified for environmental hazards.</td>
</tr>
<tr>
<td>Main symptoms:</td>
<td>May causes eye, skin and respiratory irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Percent</th>
<th>CAS No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymeric MDI</td>
<td>30 - 70</td>
<td>9016-87-9</td>
<td></td>
</tr>
<tr>
<td>Diphenylmethane diisocyanate (mixed isomer)</td>
<td>≥ 25 &lt;50</td>
<td>26447-40-5</td>
<td>#</td>
</tr>
</tbody>
</table>

# - Substance has Occupational Exposure Limits

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. First aid providers should avoid direct contact with this chemical. Wear chemical protective gloves, if necessary. Take proper precautions to ensure your own safety before attempting rescue.

Description of first aid measures

Inhalation: Remove victim to fresh air. DO NOT allow victim to move about unnecessarily. Symptoms of pulmonary edema can be delayed up to 48 hours after exposure. Immediately obtain medical advice and transport victim to an emergency care facility.

Skin contact: Remove contaminated clothing, shoes and leather goods. Wash thoroughly with soap and water for 15-20 minutes. Immediately obtain medical attention. Wash contaminated clothing before reuse.

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: Never give anything by mouth to an unconscious or convulsing person. DO NOT induce vomiting. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Immediately obtain medical attention.

Notes to Physician: Treat Symptomatically

Most important symptoms and effects, both acute and delayed
May causes eye, skin and respiratory irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.
SECTION 4: FIRST AID MEASURES (CONT’D)

Indication of any immediate medical attention and special treatment needed

None known.

SECTION 5: FIRE FIGHTING MEASURES

General fire hazards

This material can burn if heated. 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: Exercise caution when using water; water contamination of product will generate CO2 gas.

Special hazards arising from the substance or mixture

During a fire products of combustion may include carbon monoxide, carbon dioxide, hydrogen cyanide, nitrogen oxides, dense smoke and irritating or toxic fumes. Reacts vigorously with water above 50°C. Closed containers may rupture violently when heated. Polymeric MDI decomposes rapidly above 204°C.

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: When using water care must be taken since the reaction between water and hot Polymeric MDI can be vigorous.

Special remarks on fire hazards: This material can burn if heated.
### 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. Wash thoroughly after handling. |
| Methods and materials for containing and cleaning up | Contain the spill to prevent spread into drains, sewers, water supplies to soil. Cover spill area with suitable absorbent material. If control of isocyanate vapor is required, cover the spilled material with protein foam. Shovel into open-top drums or plastic bags for further decontamination, if necessary. Do not seal drums or containers. Wash area with Decontamination solution of 0.2-0.5% liquid detergent and 3-8% concentrated ammonium hydroxide in water (5-10% sodium carbonate may be substituted for the ammonium hydroxide). Allow material to stand for 48 hours to let carbon dioxide gas escape. |

### 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 aerosol formation. Do not use near welding operations, flames or hot surfaces because of the risk of formation of toxic hydrogen cyanide and nitrogen oxides. Wear respiratory protection when spraying. Do not reseal containers if contamination of Polymeric MDI is suspected. Keep containers closed when not in use. Assume that empty containers contain residues which are hazardous. Avoid release to the environment. |
| Conditions for safe storage, including any incompatibilities | Store in a dry, well-ventilated area, out of direct sunlight and away from heat, sources of ignition and incompatible materials. Ideal storage temperature is 16 – 38°C (60 – 100°F). Keep contents away from moisture; Polymeric MDI reacts with water producing CO2 gas, a hazardous build-up of pressure could result if contaminated containers are re-sealed. Do not re-seal contaminated containers. Store product in its original container. |
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

United States. Occupational Exposure Limits:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-MDI</td>
<td>9016-87-9</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Methylenediphenyl diisocyanate</td>
<td>26447-40-5</td>
<td>OSHA-PEL</td>
<td>0.020 ppm</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.02 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

**Appropriate engineering controls**

Observe occupational exposure limits. Local exhaust should be used to maintain levels below the exposure limits. If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment including approved respiratory protection. Have a safety shower and eye-wash fountain readily available in the immediate work area.

**Individual Protective Measures**

**General Information:**

Workers whose clothing has been contaminated by product should change into clean clothing promptly. Discard all contaminated leather clothing articles (e.g. belts, watchbands, shoes). Do not eat, smoke or drink in workplaces where this product is processed by machining operations. Wash hands carefully before eating, drinking, smoking or using the toilet.

**Eye/face protection:**

Wear safety goggles. Wear face shield if splashing hazard exists.

**Skin protection:**

Wear chemical protective gloves, coveralls, boots and/or other resistant protective clothing to prevent skin exposure. Protective gloves are those made from butyl rubber, nitrile rubber and polyvinyl alcohol. Evaluate resistance under conditions of use and maintain protective clothing carefully.

**Respiratory protection:**

A respiratory protection program that meets OSHA’s 29 CFR 1910.134 and ANSI Z88.2 requirements or Canadian Standards Association (CSA) Standard Z94.4-2002 must be followed whenever workplace conditions warrant a respirator’s use.

**Thermal hazards:**

None known
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid, viscous</td>
</tr>
<tr>
<td>Color</td>
<td>Dark brown</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor</td>
<td>Musty/earthy odor</td>
</tr>
<tr>
<td>Explosive limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>$10^{-4}$ mmHg @ 40°C</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.25 @ 25°C (77°F)</td>
</tr>
<tr>
<td>Boiling point, initial boiling point</td>
<td>&gt;204°C (decomposes)</td>
</tr>
<tr>
<td>Boiling range</td>
<td>Partition coefficient (n-octanol/water)</td>
</tr>
<tr>
<td>Flash point</td>
<td>230°C (446°F)</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>&gt;300°C</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limit-lower%</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limit-upper%</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC (weight %)</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>No data available</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Product reacts with water, amines, alcohols, acids and bases.

Chemical stability

Stable under normal conditions.
Isocyanates are very reactive compounds and are especially highly reactive toward a large number of compounds with active hydrogens, particularly at high temperatures and in the presence of catalysts. May attack and make brittle many plastic and rubber materials.

Possibility of hazardous reactions

Polymeric MDI may undergo uncontrolled exothermic polymerization upon contact with incompatible materials or if heated above 175-204°C. The resulting pressure build-up could rupture closed containers. May cause some corrosion to copper alloys and aluminum.

Conditions to avoid

Avoid conditions of heat, moisture and direct sunlight.

Incompatible materials

Water, amines, alcohols, acids and bases.
SECTION 10: STABILITY AND REACTIVITY (CONT’D)

Hazardous decompositions products  By thermal decomposition and combustion, product may generate carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, dense smoke and irritating or toxic fumes. 4,4’-Methylene dianiline can be formed by reaction of MDI with water.

SECTION 11: TOXICOLOGICAL INFORMATION

General information on likely routes of exposure

Ingestion: Swallowing may result in irritation and corrosion of the mouth, throat and digestive tract.

Inhalation: Short-term inhalation exposure to isocyanates can cause respiratory and mucous membrane irritation. Symptoms include eye and nose irritation, dry or sore throat, runny nose, shortness of breath, wheezing and laryngitis. Coughing with chest pain or tightness may also occur, frequently at night. These symptoms may occur during exposure or may be delayed several hours. Some people may become sensitized to MDI. High aerosol concentrations could cause inflammation of the lung tissue (chemical pneumonitis), chemical bronchitis with severe asthma-like wheezing, severe coughing spasms and accumulation of fluid in the lungs (pulmonary edema), which could prove fatal. Symptoms of pulmonary edema may not appear until several hours after exposure and are aggravated by physical exertion.

Skin contact: Polymeric MDI can cause mild irritation. Isocyanates, in general, can cause skin discoloration (staining) and hardening of the skin after repeated exposures. Skin sensitization, resulting in dermatitis, may occur in some individuals.

Eye contact: Contact with Polymeric MDI liquid, mist and aerosols may cause mild irritation with tearing and discomfort.

Symptoms: May cause eye, skin and respiratory irritation. May cause damage to organs through prolonged or repeated inhalation. May cause allergy or asthma symptoms or breathing difficulties. May cause an allergic skin reaction. Harmful if inhaled.

Information on toxicological effects

Acute Toxicity: No data were identified for the product as a whole. Data are for constituents:
### Section 11: Toxicological Information (Cont’d)

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymeric MDI</td>
<td>LD₅₀</td>
<td>Rat</td>
<td>&gt;10000 mg/kg</td>
<td>Oral</td>
</tr>
<tr>
<td></td>
<td>LD₅₀</td>
<td>Rabbit</td>
<td>&gt;6200 mg/kg</td>
<td>Dermal</td>
</tr>
<tr>
<td></td>
<td>LC₅₀</td>
<td>Rat</td>
<td>&gt;490 mg/m³</td>
<td>Inhalation</td>
</tr>
<tr>
<td>Methylene diphenyl</td>
<td>LD₅₀</td>
<td>Mouse</td>
<td>2200 mg/L</td>
<td>Oral</td>
</tr>
<tr>
<td>disocyanate (MDI) Zirconium</td>
<td>LD₅₀</td>
<td>Rabbit</td>
<td>&gt;10000 mg/kg</td>
<td>Dermal</td>
</tr>
<tr>
<td></td>
<td>LC₅₀</td>
<td>Rat</td>
<td>370 mg/m³</td>
<td>Inhalation</td>
</tr>
</tbody>
</table>

**Serious Eye Damage/Irritation:** Commercial Polymeric MDI caused eye irritation in rabbits, which cleared after 24 hours.

**Skin corrosion/Irritation:** Application of single doses of 2.5, 3.9, 6.0 and 9.4 mg/kg Polymeric MDI to abraded skin of rabbits, under a cover for 24 hours, caused only minor, local, reversible skin changes.

**Respiratory/Skin Sensitization:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Isocyanates are known to cause skin and respiratory sensitization in humans. Animal tests have indicated that respiratory sensitization can result from skin contact with diisocyanates.

**Germ Cell Mutagenicity:** No data were identified for this product or its constituents.

**Carcinogenicity:** This preparation does not contain any component that is considered a human carcinogen by IARC (International Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists), OSHA or NTP (National Toxicology Program). The International Agency for Research on Cancer (IARC) has concluded that these substances are not classifiable as to carcinogenicity to humans (Group 3).

**Reproductive Toxicity:** No data were identified for this product or its constituents.

**Developmental Effects:** No data were identified for this product or its constituents.

**STOT – Single Exposure:** May cause respiratory irritation.

**STOT – Repeated Exposure:** May cause damage to organs through prolonged or repeated exposure by inhalation.

**Aspiration Hazard:** No data were identified for this product or its constituents.

**Conclusion/Summary** May cause eye, skin and respiratory irritation. May cause damage to organs through prolonged or repeated inhalation. May cause allergy or asthma symptoms or breathing difficulties. May cause an allergic skin reaction. Harmful if inhaled.
SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
No data were identified for the product as a whole. Data are for constituents:

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymeric MDI</td>
<td>LC₅₀</td>
<td><em>Zebra fish</em></td>
<td>&gt;1000 mg/L</td>
<td>24 hour</td>
</tr>
<tr>
<td></td>
<td>EC₅₀</td>
<td><em>Daphnia magna</em></td>
<td>&gt;1000 mg/L</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC₅₀</td>
<td><em>E. coli</em></td>
<td>&gt;100 mg/L</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability
Product is not readily biodegradable.

Bioaccumulative potential
No data were identified for this product.

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.

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:

UN Number
Not applicable, not regulated as hazardous for transport.*
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SECTION 14: TRANSPORT INFORMATION (CONT’D)

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
None known

Transport in bulk according to
Annex II MARPOL73/78 and the IBC
Code
Not applicable, not regulated as hazardous for transport.

*Bulk containers (>5 000 lbs) must be transported as:
ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Methylene Diphenyl Diisocyanate), Class 9, UN3082, PGIII, RQ.

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: Methylene diphenyl diisocyanate (MDI) 5 000 lbs (2270 kg)
SECTION 15: REGULATORY INFORMATION (cont’d)

SARA Title III – 311/312, Hazard Classes:
- Fire / Flammability: No
- Reactivity: No
- Release of Pressure: No
- Acute Health Hazard: Yes
- Chronic Health Hazard: Yes

SARA Title III – Section 313: Methylene diphenyl diisocyanate (MDI), 1% de minimis

USA State Regulations

Massachusetts – Right-to-Know: Diphenylmethane diisocyanate (mixed isomers) CAS: 26447-40-5

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

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Industrial Hygienists</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IBC</td>
<td>International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk</td>
</tr>
<tr>
<td>MARPOL</td>
<td>International Convention for the Prevention of Pollution from Ships</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety and Health</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration (United States)</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and Very Bioaccumulative</td>
</tr>
</tbody>
</table>

SDS Revisions

SDS revised on 6 July 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.