Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier: EPOLEAD PB3600 [EPL PB3600]
Product Code: ODP–OH–EPLPB3600–01
Reference Number: yuuki310–8

Manufacturer
Company Name: DAICEL CORPORATION
Address: 2–18–1, Konan, Minato–ku, Tokyo 108–8230, Japan
Company Contact: Organic Chemical Products Company
Phone Number: +81–3–6711–8211
Fax Number: +81–3–6711–8218
Emergency Phone Number: +81–3–6711–8211

Responsible company for supply
Company Name: Daicel ChemTech, Inc.
Address: One Parker Plaza, 400 Kelby Street Fort Lee, New Jersey 07024
Phone Number: +1–201–461–4466
Fax Number: +1–201–461–2776
Email: inquiry@us.daicel.com
Recommended Use and Restriction on Use: general industrial
ID: EPLPB3600_US03_E06

Section 2 – HAZARDS IDENTIFICATION

GHS Classification
Physicochemical Hazards: Flammable liquids Out of category
Health Hazards: Pyrophoric liquids Out of category
Acute toxicity – oral Out of category
Skin corrosion/irritation Out of category
Sensitization – skin Out of category
Other hazards than mentioned above are Not applicable or No data available.

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture: substance
Chemical name or generic name: Polybutadiene Epoxidized

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Its Ranges</th>
<th>Formula</th>
<th>CAS RN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polybutadiene Epoxidized</td>
<td>≥99%</td>
<td>—</td>
<td>71342–74–0</td>
</tr>
</tbody>
</table>

Impurities and/or Stabilizing Additives which Contribute to the Classification: No information available

Section 4 – FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.
Skin Contact
Get medical advice and attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
Wash with soap and water.
Immediately call a doctor.
If skin irritation or rash occurs, get medical advice and attention.

Eye Contact
Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a doctor.
Get medical advice and attention.

Ingestion
Rinse mouth. Do NOT induce vomiting.
Immediately call a doctor.
Get medical advice and attention.

Section 5 – FIRE FIGHTING MEASURES
Extinguishing Media
Small fires: Dry chemical, dry sand, alcohol-resistant foam.
Large fire: Dry chemicals, alcohol-resistance foam extinguishing agents and water sprinkling.

Unsuitable Extinguishing Media
Straight streams.

Specific Hazards
Flammable and combustible material.
May be ignited by heat, sparks or flames.

Specific Fire Fighting
Use extinguishing agent suitable for type of surrounding fire.
Move containers from fire area if you can do it without risk.

Protection of Fire Fighter
In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES
Personal Precautions.
Keep unauthorized personnel away.

Protective Equipment and Emergency Procedures
Wear appropriate personal protective equipment (Refer to “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”) and avoid inhalation or contact with eyes and skin.
Isolate the site as a leak area by providing a zone that has an appropriate width to all directions.
Keep out of low areas.
Stay upwind.
Do not touch or walk through spilled material.
Pay attention not to cause the influence on the environment by discharging into rivers.
Stop leak if you can do it without risk.
All equipment used when handling the product must be grounded.
Small spills: absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for later disposal.
Small spills: Use clean non-sparking tools to collect absorbed material.
Large spills: prevent flowing out with a dike and collect it at a safe place.
Prevention Measures for Secondary Accidents

Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area).
Isolate flammables (such as wood, paper, and oil) from the leakage.
Prevent flowing into drain, sewage, basement, and closed area.

Section 7 - HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood.
Evacuate area due to explosion risk in case of fire.
Handle at a well-ventilated place.
Avoid release to the environment.
Do not get in eyes, on skin or on clothing.
Ventilate the exhaust to keep the concentration in the air below the exposure limit.
Obtain special instructions before use.
Use properly by reading “Precautions for Use” labeled on the container before use or disposal.
Wash hand thoroughly after handling.
Prohibit use of heat, sparks, and fire in the surrounding area.
Do not contact, breathe or swallow.
Do not expose to temperatures exceeding appropriate temperature.
Do not breathe dust and fume.
Do not handle containers with such manners as tumbling down, falling, exposing to shock, or dragging.

Prevents Handling of Incompatible Substances or Mixtures

Refer to “Section 10 – STABILITY AND REACTIVITY”.

Specific Hygiene Measures

Wash hand thoroughly after handling.

Storage Precautionary Statements

Technical Measures

The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.
The storage floor should have penetration-proof construction against dangerous goods and be inclined adequately. A proper sump should be provided to catch any spills.
The roof of a storage facility should be made of a non-combustible material and use metals or other lightweight non-combustible materials. No ceiling should be installed.
The storage facility should be designed with fire-proof construction and beams should use a non-combustible material.
Refer to “Section 10 – STABILITY AND REACTIVITY”.

Wash hand thoroughly after handling.

The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods.
The storage floor should have penetration-proof construction against dangerous goods and be inclined adequately. A proper sump should be provided to catch any spills.
The roof of a storage facility should be made of a non-combustible material and use metals or other lightweight non-combustible materials. No ceiling should be installed.
The storage facility should be designed with fire-proof construction and beams should use a non-combustible material.
Store away from incompatible materials.
Store locked up.
Have containers keep away from direct sunlight and heat.
Store in a well-ventilated and cool place keeping container tightly closed.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Material Used in Packaging/Containers</th>
<th>Exposure Limits (ACGIH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polybutadiene Epoxydized</td>
<td>Not established</td>
</tr>
</tbody>
</table>

**Engineering Controls**
- Workplace storing or handling this product should be equipped with eye washing station and safety shower.
- Use process enclosures, local exhaust ventilation, or other engineering controls.
- Install ventilation system to keep exposure to airborne contaminants below the exposure limit if vapor, fume, mist generates in the process handling at elevated temperature.
- Take precautionary measures against static discharge.
- Use explosion-proof electrical, ventilating and lighting equipment.
- Install explosion-proof local ventilation equipment.
- Ground or bond container and receiving equipment.

**Personal Protective Equipment**
- Respiratory Protection: Wear respiratory protection.
- Hand Protection: Wear protective gloves.
- Eye Protection: Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).
- Skin and Body Protection: Wear protective clothing and face protection.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid (viscous)</td>
</tr>
<tr>
<td>Form</td>
<td>clear</td>
</tr>
<tr>
<td>Color</td>
<td>slight odor</td>
</tr>
<tr>
<td>Odor</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Ranges</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>283°C (Cleveland Open Cup)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability or Explosive Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower Limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper Limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Specific Gravity (Density)  No data available
Partition Coefficient : n-Octanol/Water  No data available
Auto-Ignition Temperature  It's not self-ignite in contact with air at ambient temperature.
Decomposition  No data available
Temperature  No data available
Viscosity  No data available
Kinematic viscosity  No data available

Section 10 – STABILITY AND REACTIVITY
Reactivity  No data available
Chemical stability  Stable under ordinary conditions of use and storage.
Possibility of Hazardous Reaction  Contact with strong oxidizers, strong alkalis, or strong acids may cause fire and explosions.
Conditions to Avoid  Fire, heat, incompatibles.
Incompatible Substances or Mixtures  Strong oxidizers, strong alkalis, strong acid.
Hazardous Decomposition Products  Carbon dioxide and carbon monoxide may form when heated to decomposition.

Section 11 – TOXICOLOGICAL INFORMATION
Acute Toxicity Oral  Out of category; Rat, LD50 >2000mg/kg
Skin Corrosion/Irritation  Out of category; From the skin irritation test (4hr, 0.5ml, rabbit) results; no irritating. P.I.I=0.
Respiratory or Skin Sensitization  Out of category (Skin sensitization); LLNA-DA method (TG442A simplified test method); negative.
Germ Cell Mutagenicity  Ames test; negative

Section 12 – ECOLOGICAL INFORMATION
Hazard to the aquatic environment (acute hazard)  No data available
Hazard to the aquatic environment (long-term hazard)  No data available
Hazard to the ozone layer  No data available

Section 13 – DISPOSAL CONSIDERATIONS
Residual Waste  Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material. Disposal should be in accordance with applicable regulations and standards by the respective local governments.
When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.
Contaminated Container and Packaging  In case of disposal of empty containers, remove the content thoroughly.
Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

Section 14 – TRANSPORT INFORMATION
<table>
<thead>
<tr>
<th>International Regulations</th>
<th>Regulatory Information by Sea</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>Regulatory Information by Air</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

| Emergency Response Guide Number | Not applicable |

**Section 15 – REGULATORY INFORMATION**

Details of international registration status

- ENCS(Japan); 6–759
- TSCA(USA); Listed
- DSL(Canada); Listed
- ECL(Korea); KE–28850
- IECSC(China); Listed
- ECN(Taiwan); Listed
- PICCS(Philippines); Listed
- AICS(Australia); Listed

**Section 16 – OTHER INFORMATION**

Information Contact

- See Sec.1 (Company identification)

Notice to Reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of information contained herein.

Final determination of suitability of any material is the sole responsibility of the information contained herein.

All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.