SAFETY DATA SHEET

1. Identification

Product identifier EasyCast Resin

Other means of identification

<table>
<thead>
<tr>
<th>Category</th>
<th>SDS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical hazards</td>
<td>7511860</td>
</tr>
<tr>
<td>Health hazards</td>
<td>33008, 33008 MICHAELS, 33008C MICHAELS, 33010M,</td>
</tr>
<tr>
<td></td>
<td>33016, 33032, 33100, 33128, 33640, 33640R,</td>
</tr>
<tr>
<td></td>
<td>33201, 33202, 33203, 33204, 33205, MICHAELS</td>
</tr>
<tr>
<td></td>
<td>SKUs: 408248, 408249, 408250, 408251,</td>
</tr>
<tr>
<td></td>
<td>408252, 408253, 408254, 408255</td>
</tr>
</tbody>
</table>

Recommended use: Casting Epoxy.

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

<table>
<thead>
<tr>
<th>Company name</th>
<th>Environmental Technology, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>300 S. Bay Depot Road</td>
</tr>
<tr>
<td></td>
<td>Fields Landing CA 95537, USA.</td>
</tr>
<tr>
<td>Telephone number</td>
<td>707-443-9323</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:mail@eti-usa.com">mail@eti-usa.com</a></td>
</tr>
<tr>
<td>Contact person</td>
<td>Technical Director</td>
</tr>
<tr>
<td>Emergency phone number</td>
<td>800-424-9300 (CHEMTREC)</td>
</tr>
</tbody>
</table>

2. Hazard(s) identification

Physical hazards: Not classified.

Health hazards:

- Skin corrosion/irritation: Category 2
- Serious eye damage/eye irritation: Category 2A
- Sensitization, skin: Category 1
- Germ cell mutagenicity: Category 2

Environmental hazards: Not classified.

Label elements:

Signal word: Warning

Hazard statement:

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing genetic defects.

Precautionary statements

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapour. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. 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 exposed or concerned: Get medical advice/attention. Specific treatment (see this label).

Storage:

Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards:

None known.
### 3. Composition/information on ingredients

#### Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
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<tbody>
<tr>
<td>Epoxy resins</td>
<td>25068-38-6</td>
<td>&gt;50</td>
</tr>
<tr>
<td>Phenyl Ether Alcohol Compound</td>
<td>2210-79-9</td>
<td>&lt;50</td>
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</table>

#### Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

#### Inhalation

Move to fresh air. Call a physician if symptoms develop or persist. Get medical attention if any discomfort continues.

#### Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

#### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

#### Ingestion

May cause sensitisation by skin contact. Dermatitis. Rash. Contact may produce eye irritation with associated redness, swelling, tears and pain. Contact causes skin irritation. Symptoms include redness, itching and pain.

#### Most important symptoms/effects, acute and delayed

Most important symptoms/effects are dermatitis, rash, eye irritation, and skin irritation. Symptoms may be immediate or delayed.

#### Indication of immediate medical attention and special treatment needed

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

#### Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

#### Unsuitable extinguishing media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

#### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

#### Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Fire fighting equipment/instructions

Move container from fire area if it can be done without risk.

#### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

#### General fire hazards

No unusual fire or explosion hazards noted.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in section 8 of this safety data sheet. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Avoid contact with skin and eyes.
Methods and materials for containment and cleaning up

Keep unnecessary personnel away. Use water spray to reduce vapours or divert vapour cloud drift. This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Refer to special instructions/safety data sheets. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into storm drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Avoid breathing mists or vapours. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Use appropriate container to avoid environmental contamination. Keep container tightly closed. Store away from incompatible materials (see section 10 of the SDS). Keep out of the reach of children. Store in tightly closed original container in a dry, cool and well-ventilated place. Read and follow manufacturer’s recommendations.

8. Exposure controls/personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

No exposure standards allocated. Use personal protective equipment as required. Keep working clothes separately.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Wear appropriate chemical resistant clothing to prevent any possibility of skin contact. Use of an impervious apron is recommended.

Respiratory protection

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. Wash at the end of each work shift and before eating, smoking or using the toilet.
9. Physical and chemical properties

**Appearance**
Viscous liquid.

**Physical state**
Liquid.

**Form**
Liquid.

**Colour**
Clear.

**Odour**
Slight.

**Odour threshold**
Not available.

**pH**
Not available.

**Melting point/freezing point**
Not available.

**Initial boiling point and boiling range**
Not available.

**Flash point**
200.0 °C (392.0 °F) Setaflash Seta closed cup

**Evaporation rate**
Not available.

**Flammability (solid, gas)**
Not applicable.

**Upper/lower flammability or explosive limits**
- **Flammability limit - lower (%)**
  Not available.
- **Flammability limit - upper (%)**
  Not available.
- **Explosive limit - lower (%)**
  Not available.
- **Explosive limit – upper (%)**
  Not available.

**Vapour pressure**
Not available.

**Vapour density**
> 1 @ 21°C (70°F) (Air = 1)

**Relative density**
Not available.

**Solubility(ies)**
- **Solubility (water)**
  Slightly soluble (0.1-1%).
- **Partition coefficient (n-octanol/water)**
  Not available.

**Auto-ignition temperature**
Not available.

**Decomposition temperature**
Not available.

**Viscosity**
Not available.

**Other information**
- **Bulk density**
  9.6 lb/gal
- **Explosive properties**
  Not explosive.
- **Oxidising properties**
  Not oxidising.
- **VOC**
  0 %

10. Stability and reactivity

**Reactivity**
The product is stable and non-reactive under normal conditions of use, storage and transport. Read and follow manufacturer's recommendations.

**Chemical stability**
Stable under normal temperature conditions and recommended use.

**Possibility of hazardous reactions**
Hazardous polymerisation does not occur.

**Conditions to avoid**
Avoid high temperatures. Contact with incompatible materials. Heating this resin above 300°F in the presence of air may cause slow oxidative decomposition.

**Incompatible materials**
Strong oxidising agents. Reacts violently with strong acids. Reacts violently with strong bases. Avoid contact with water and liquids. Do not allow molten product to contact water or other liquids. This can cause violent reactions.

**Hazardous decomposition products**
None expected under normal conditions of use.
11. Toxicological information

Information on likely routes of exposure

Inhalation
Inhalation of vapours or mists of the product may be irritating to the respiratory system.

Skin contact
Causes skin irritation. May cause an allergic skin reaction.

Eye contact
Causes serious eye irritation.

Ingestion
Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Dermatitis. Rash. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.

Information on toxicological effects

Acute toxicity
May cause an allergic skin reaction.

Components | Species | Test results
--- | --- | ---
Phenyl Ether Alcohol Compound (CAS 2210-79-9)

**Acute**

| Inhalation | Rat | 6.09 mg/kg, 4 hours |
| Mist | |
| Oral | |
| LD50 | Rat | 4000 mg/kg |

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye irritation.

Respiratory or skin sensitisation

Respiratory sensitisation
Due to lack of data the classification is not possible.

Skin sensitisation
May cause an allergic skin reaction.

Germ cell mutagenicity
Suspected of causing genetic defects.

Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity
This product is not expected to cause reproductive or developmentally effects.

Specific target organ toxicity - single exposure
Not classified.

Specific target organ toxicity - repeated exposure
Not classified.

Aspiration hazard
Due to the high viscosity the product is not an aspiration hazard.

12. Ecological information

Ecotoxicity
Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment.

Persistence and degradability
No data is available on the degradability of this product.

Bioaccumulative potential
No data available on bioaccumulation.

Mobility in soil
No data available.

Other adverse effects
None known.

13. Disposal considerations

Disposal instructions
Dispose of in accordance with federal, provincial and local regulations. Do not discharge into drains, water courses or onto the ground.

Local disposal regulations
Dispose in accordance with all applicable regulations.

Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products
Dispose of in accordance with local regulations.

Contaminated packaging
Dispose in accordance with applicable federal, state, and local regulations.
14. Transport information

TDG
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

15. Regulatory information

Canadian regulations
This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act
Not regulated.

Export Control List (CEPA 1999, Schedule 3)
Not listed.

Greenhouse Gases
Not listed.

Precursor Control Regulations
Not regulated.

International regulations

Stockholm Convention
Not applicable.

Rotterdam Convention
Not applicable.

Kyoto protocol
Not applicable.

Montreal Protocol
Not applicable.

Basel Convention
Not applicable.

International Inventories

<table>
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<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
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</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
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<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
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<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
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<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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<td>European Union</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<td>Existing Chemicals List (ECL)</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
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</table>

*"Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date 13-July-2017
Revision date -
References

ACGIH
EPA: AQUIRE database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents
HSDB® - Hazardous Substances Data Bank
JIS Z 7250: 2005 Safety data sheet for chemical products-Part 1:Content and order of sections
JCIA GHS Guideline, October 2008
IARC Monographs. Overall Evaluation of Carcinogenicity
National Toxicology Program (NTP) Report on Carcinogens
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices
Japan Society for Occupational Health, Recommendation of Occupational Exposure Limits
GOST 30333-2007 - Chemical production safety passport. General requirements
JIS Z 7252:2009 Classification of chemicals based on “Globally Harmonized System of Classification and Labelling of Chemicals (GHS)”
JIS Z 7253:2012 Hazard communication of chemicals based on GHS – Labelling and Safety Data Sheet (SDS)
Japan Chemical Industry Association (JCIA) GHS Guideline, June 2012

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. This safety data sheet was prepared in accordance with JIS Z 7253:2012. Additional information is given in the Material Safety Data Sheet. Environmental Technology, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.