Material Safety Data Sheet

SOFT EVA MOUTHGUARD MATERIAL

Section 1 – Identification

Product Name: Soft EVA Mouthguard (various thicknesses)
Manufacturer: KEYSTONE INDUSTRIES
52 King Street Myerstown, PA 17067
Chemical Name / Synonyms: Ethylene – Vinyl Copolymer
Information Contacts: (856)-663-4700
Emergency Phone Numbers: US & Canada (800) 535-5053
Family: EVA
EU Address: KEYSTONE EUROPE LLC.
Batavenweg 7
5349BC OSS, Netherlands
Emergency Phone Numbers: International: 1-352-323-3500
Product Use: Sheet Resins to form Mouth Guards or Trays
Product #: Various

Section 2 – Hazards Identification

EMERGENCY OVERVIEW
This information is based on findings from related or similar materials.

- Material is not considered hazardous by OSHA per 29 CFR 1910.
- This product is combustible and will burn in fire and emit irritating smoke. Dust from this product can form an explosive organic dust cloud. Dusts and heat released air emissions may be irritating to the eyes, skin, and respiratory system.
- Spilled pellet(s) may present a slipping hazard.
- Molten Resin cause severe thermal burns.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry  Inhalation, skin, and ingestion.
Eye  Solid or dust may cause irritation or corneal injury due to mechanical action.
Skin  Prolong contact is essentially non-irritating to skin. There can be mechanical injury, if impacted with skin. Under normal processing conditions, material is heated to elevated temperatures; contact with the material can cause thermal burns. No adverse effects anticipated by skin absorption.
Ingestion  If un-formed material becomes lodged in subject’s mouth, do not swallow, spit it out.
Inhalation  Inhalation of dust may cause respiratory irritation. Fumes produced during thermal process may cause irritation.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3 – Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS Numbers</th>
<th>EINECS#</th>
<th>INCI Name</th>
<th>Exposure OSHA TWA/STEL</th>
<th>Limits ACGIH TWA/STEL</th>
<th>Carcinogen</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene-Vinyl Acetate Copolymer</td>
<td>24937-78-8</td>
<td>N/E</td>
<td>Ethylene/VA Copolymer</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>&gt;99</td>
</tr>
</tbody>
</table>

N/E – Not Established
N/R – Not Reviewed
N/D – No Data Available
N/A – Not Applicable

See Section 16 for Hazard and Precautionary Statement Key.

Section 4 – First Aid Measures

Solid Product is neither an irritant nor gives off hazardous vapours at ambient temperatures.

First Aid for Eye  This material is non-irritating upon contact, except upon impact as any foreign particle in the eye.
First Aid for Skin  Not a hazard at ambient conditions. Washing hands is preferable after use. Contact with heated material may cause thermal burns. Do not attempt to remove material from skin. Cool rapidly with cold water. Obtain medical treatment. Treatment as any normal thermal burn.
First Aid for Ingestion  Do not swallow. Material is not expected to cause an ingestion problem.
First Aid for Inhalation  N/A
Section 5 – Fire Fighting Measures

<table>
<thead>
<tr>
<th>Flash Point (°F/°C)</th>
<th>Flammable Limit (vol%)</th>
<th>Auto-ignition Temperature (vol%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Method:
Extinguishing Media: Suitable extinguishing media for the surrounding fire should be used.
Fire Fighting Instructions: Combustible product that may release, but not limited to, carbon monoxide, carbon dioxide, vinyl acetate, and acetic acid.
Unusual Hazards: Use self-contained breathing apparatus when fighting fires.

Section 6 – Accidental Release Measures

Spill or Release Procedures:
- Minor spills – Clean up immediately. Slipping hazard.
- Major spills – Clear area of personnel. Restrict access to area. Clean up immediately. Slipping hazard.
  See section 8 & section 12.

Section 7 – Handling and Storage

Handling: No special handling requirements.
Storage: Store in a cool, dry location away from sparks. Avoid sunlight.
Explosion Hazard: None.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls: No special engineering controlled required.

Personal Protective Equipment

General: To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.

Eye/ Face Protection: Wear safety glasses with side shields. Wear face shield during thermal process.

Skin Protection: Thermal insulating glove when handling molten product.

Respiratory Protection: None under ordinary operating use.

Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Odor &amp; Odor Threshold</th>
<th>pH</th>
<th>Specific Gravity</th>
<th>Viscosity</th>
<th>% Volatile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft, Pliable Material</td>
<td>Odorless</td>
<td>N/A</td>
<td>(H2O = 1): N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boiling Point/ Freezing Point</th>
<th>Decomposition Temperature</th>
<th>Octanol/Water Partitioning Coefficient</th>
<th>Vapor Pressure:</th>
<th>Vapor Density</th>
<th>Evaporation Rate</th>
<th>Ignition</th>
<th>Solubility In Water (20°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/DA</td>
<td>N/DA</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flash Point (°F/°C)</th>
<th>Flammable Limit (vol%)</th>
<th>Auto-ignition Temperature (vol%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Section 10 – Stability and Reactivity

Stability: Incompatibility (Materials to Avoid):
- Stable solid
- Sunlight, heat, sparks.

Hazardous Decomposition Products: Hazardous Polymerization:
- Vinyl acetate, acetic acid, CO2, CO.
- Will not occur

Conditions to Avoid: Heat, sunlight, sparks.
Section 11 – Toxicological Information

<table>
<thead>
<tr>
<th>Acute Oral Toxicity</th>
<th>Acute Dermal Toxicity</th>
<th>Acute Inhalation Toxicity</th>
<th>Irritation – skin</th>
<th>Irritation – Eye</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/DA</td>
<td>N/DA</td>
<td>N/DA</td>
<td>N/DA</td>
<td>N/DA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sensitization</th>
<th>Mutagenicity</th>
<th>Sub-chronic Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/DA</td>
<td>N/DA</td>
<td>N/DA</td>
</tr>
</tbody>
</table>

Section 12 – Ecological Information

Ecotoxicological Information

<table>
<thead>
<tr>
<th>Acute Toxicity to Fish</th>
<th>Acute Toxicity to Invertebrates</th>
<th>Acute Toxicity to Algae</th>
<th>Bioconcentration</th>
<th>Toxicity to Sewage Bacteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/DA</td>
<td>N/DA</td>
<td>N/DA</td>
<td>N/DA</td>
<td>N/DA</td>
</tr>
</tbody>
</table>

Chemical Fate Information

<table>
<thead>
<tr>
<th>Biodegradability</th>
<th>N/A. This material is not expected to bioaccumulate.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Oxygen Demand</td>
<td>N/DA</td>
</tr>
</tbody>
</table>

Section 13 – Disposal Considerations

Dispose of in compliance with governmental regulation (state and federal).

Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

Non-regulated, non-hazardous material: DOT, IATA, IMO (IMDG).

Section 15 – Regulatory Information

US Federal Regulations

<table>
<thead>
<tr>
<th>Clean Air Act: HAP/ODS</th>
<th>Clean Water Act: Priority Pollutant</th>
<th>FDA: Food Packaging Status</th>
<th>Occupational Safety and Health Act</th>
<th>RCRA</th>
<th>SARA Title III: Section 302 (RQ)</th>
<th>SARA Title III: Section 302 (TPQ)</th>
<th>SARA Title III: Section 311-312:</th>
</tr>
</thead>
<tbody>
<tr>
<td>This product contains the following HAP’s or ODS:</td>
<td>This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List:</td>
<td>This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.</td>
<td>This product is considered to be hazardous under the OSHA Hazard Communication Standard. It’s hazards are:</td>
<td>This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261).</td>
<td>This product contains no chemicals regulated under Section 302 as extremely hazardous substances.</td>
<td>This product does not contain chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification (“CERCLA” List).</td>
<td>This product is not considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370).</td>
</tr>
<tr>
<td>• NONE</td>
<td>• None</td>
<td></td>
<td>• None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date of Issue: 06/23/2011

Obtained by Global Safety Management, Inc. www.globalsafetynet.com (Tel: 1-813-435-5161)
This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
- None

This product complies with US TSCA requirements.
None of the chemicals in this material have a SNUR under TSCA.

The components to this product are listed on the appropriate applicable state regulations.

Ethylene-Vinyl Acetate Copolymer- CAS# 24937-78-8, Not controlled under WHMIS.

European Community: For Soft EVA (finished product):
- DANGER SYMBOLS: N/A – non hazardous
- HAZARD STATEMENT: N/A
- PRECAUTIONARY STATEMENT: N/A

Hazard Rating System (Pictograms)
- NFPA:
  - Flammability: 0
  - Health: 0
  - Reactivity: 0
- HMIS:
  - Health: 0
  - Flammability: 0
  - Reactivity: 0

The information presented herein was obtained from sources considered to be reliable. However, this information is provided without any warranty, expressed or implied, regarding its correctness or suitability for consumers intended use and/or application. For this and other reasons, we assume no responsibility and expressly disclaim liability for loss, damage or expense arising out of any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared expressly for this product. Use the materials only as directed. If the product is used as a component of another product, the information contained within the MSDS may not be applicable. If there are any problems or concerns understanding this MSDS form, please direct all questions to INFOTRAC, Chemical Emergency Resources System at 1(800) 535-5053.

Keystone Industries components are provided on an as is basis without warranties of any kind either expressed or implied. Keystone Industries does not warrant the use or the results of use of the materials sold on an as is basis since they are intended for remanufacturing or repackaging. It is the sole responsibility of the user to examine and determine appropriate application and regulatory requirements associated with said Keystone Industries components.