

**Section 1 – Identification**

|                                                          |                            |                                 |                                                                        |
|----------------------------------------------------------|----------------------------|---------------------------------|------------------------------------------------------------------------|
| <b>Product Name:</b>                                     | <b>Proform NiteGuard</b>   | <b>Manufacturer:</b>            | KEYSTONE INDUSTRIES<br>52 King Street Myerstown, PA 17067              |
| <b>Chemical Name / Synonyms:</b>                         | Ethylene – Vinyl Copolymer | <b>Information Contacts:</b>    | (856)-663-4700                                                         |
| <b>Family:</b> EVA                                       |                            | <b>Emergency Phone Numbers:</b> | US & Canada ( 800 ) 535 - 5053                                         |
| <b>Product Use:</b> Sheet Resins to form Mouthguards     |                            | <b>EU Address:</b>              | <b>KEYSTONE EUROPE LLC.</b><br>Batavenweg 7<br>5349BC OSS, Netherlands |
| <b>Product #:</b> 9602550, 9602550R1, 9602550R2, 9602560 |                            | <b>Emergency Phone Numbers:</b> | International: 1-352-323-3500                                          |

**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.
- Molten Resin cause severe thermal burns.
- Product does not contain latex.

**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**

| Chemical Identity                            | CAS Numbers | EINECS#                                          | INCI Name             | Exposure OSHA TWA/STEL | Limits ACGIH TWA/STEL | Carcinogen IARC/NTP/OSHA | %   |
|----------------------------------------------|-------------|--------------------------------------------------|-----------------------|------------------------|-----------------------|--------------------------|-----|
| Ethylene-Vinyl Acetate Copolymer             | 24937-78-8  | N/E                                              | Ethylene/VA Copolymer | N/E                    | N/E                   | N/E                      | >99 |
| N/E – None Established<br>N/R – Not Reviewed |             | N/DA – No Data Available<br>N/A – Not Applicable |                       |                        |                       |                          |     |

(items in parenthesis relate to 1999/45/EC)

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**

| Flash Point (°F/°C)                         | Flammable Limit (vol%) | Auto-ignition Temperature (vol%) |
|---------------------------------------------|------------------------|----------------------------------|
| 500°F/260°C<br>Method: Cleveland Closed Cup | N/A                    | N/A                              |

**Method:**

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

**Section 6 – Accidental Release Measures**

Spill or Release: Minor spills – Clean up immediately. Slipping hazard.  
Procedures: 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. 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**

| Appearance                     | Odor & Odor Threshold | pH  | Specific Gravity | Viscosity | % Volatile |
|--------------------------------|-----------------------|-----|------------------|-----------|------------|
| Translucent to whitish sheets; | Mild, ester-like      | N/A | (H2O = 1): 0.94  | N/A       | N/A        |

| Boiling Point/<br>Freezing Point | Decomposition<br>Temperature | Octanol/Water<br>Partitioning Coefficient<br>Log Po/w | Vapor<br>Pressure: | Vapor<br>Density | Evaporation<br>Rate | Ignition | Solubility<br>In Water<br>(20°C) |
|----------------------------------|------------------------------|-------------------------------------------------------|--------------------|------------------|---------------------|----------|----------------------------------|
| N/A                              | > 446°F/230°C                | N/DA                                                  | N/A                | N/A              | N/A                 | N/A      | Negligible                       |

| Flash Point (°F/°C)                         | Flammable Limit (vol%) | Auto-ignition Temperature (vol%) |
|---------------------------------------------|------------------------|----------------------------------|
| 500°F/260°C<br>Method: Cleveland Closed Cup | N/A                    | N/A                              |

**Section 10 – Stability and Reactivity**
**Stability:**

Stable solid at normal temperature and storage conditions

**Incompatibility (Materials to Avoid):**

Strong acids and oxidizing agents

**Hazardous Decomposition Products:**

Carbon monoxide, Organic acids, Aldehydes, Acrolein, Alcohols, nitrogen oxides

**Hazardous Polymerization:**

Will not occur

**Conditions to Avoid:** Heat, sunlight

**Section 11 – Toxicological Information**

| Acute Oral Toxicity | Acute Dermal Toxicity | Acute Inhalation Toxicity | Irritation – skin          | Irritation – Eye          |
|---------------------|-----------------------|---------------------------|----------------------------|---------------------------|
| N/DA                | N/DA                  | N/DA                      | No skin irritation, rabbit | No eye irritation, rabbit |
| Sensitization       | Mutagenicity          | Sub-chronic Toxicity      |                            |                           |
| N/ DA               | N/DA                  | N/ DA                     |                            |                           |

**Section 12 – Ecological Information**
**Ecotoxicological Information**

| Acute Toxicity to Fish | Acute Toxicity to Invertebrates | Acute Toxicity to Algae | Bioconcentration | Toxicity to Sewage Bacteria |
|------------------------|---------------------------------|-------------------------|------------------|-----------------------------|
| N/DA                   | N/ DA                           | N/ DA                   | N/ DA            | N/ DA                       |

**Chemical Fate Information**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b>Biodegradability</b>       | N/A. This material is not expected to bioaccumulate. |
| <b>Chemical Oxygen Demand</b> | N/ DA                                                |

**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**

|                                     |                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Clean Air Act: HAP/ODS              | This product contains the following HAP's or ODS:<br>• NONE                                                                                     |
| Clean Water Act: Priority Pollutant | This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List:<br>• None |
| FDA: Food Packaging Status          | This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.      |
| Occupational Safety and Health Act  | This product is not considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are:<br>• None                        |
| RCRA                                | This product contains the following chemicals considered to be hazardous waste under RCRA ( 40 CFR 261).<br>• None                              |
| SARA Title III: Section 302 (RQ)    | This product contains no chemicals regulated under Section 302 as extremely hazardous substances.                                               |

**Material Safety Data Sheet**
**PROFORM NITEGUARD**

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|                                   |                                                                                                                                                                                                                                                                   |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SARA Title III: Section 302 (TPQ) | This product does not contain chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List).                                                                                                          |
| SARA Title III: Section 311-312:  | This product is not considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370).                                                                                                                  |
| SARA Title III: Section 313:      | 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: <ul style="list-style-type: none"> <li>None</li> </ul> |
| TSCA Section 8(b): Inventory:     | This product complies with US TSCA requirements.                                                                                                                                                                                                                  |
| TSCA Significant New Use Rule:    | None of the chemicals in this material have a SNUR under TSCA.                                                                                                                                                                                                    |

**State Regulations**

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

**International Regulations**

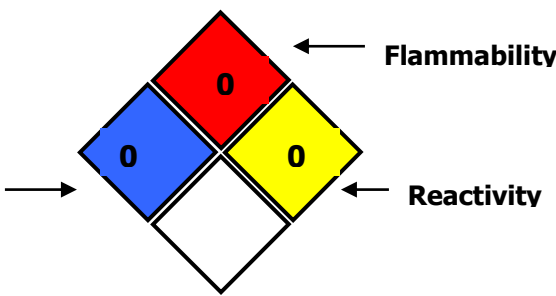
|                                                          |                                                                                                            |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| CDSL: Canadian Inventory (on Canadian Transitional List) | All components are listed, where necessary.<br>Ethylene Vinyl Acetate Copolymer not controlled under WHMIS |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

**Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)**

|                     |                                                                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| European Community: | <b>For Proform NiteGuard (finished product):</b> <ul style="list-style-type: none"> <li>DANGER SYMBOLS: N/A – non hazardous</li> <li>HAZARD STATEMENT: N/A</li> <li>PRECAUTIONARY STATEMENT: N/A</li> </ul> |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Section 16 – Other Information**
**Hazard Rating System (Pictograms)**

**NFPA:**

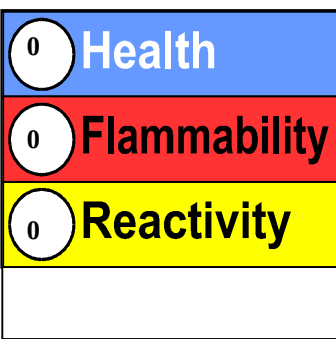


Health →

← Flammability

← Reactivity

**HMIS:**



|                   |                                                       |
|-------------------|-------------------------------------------------------|
| MSDS Prepared by: | WME                                                   |
| Revision History: | 03/14/11 Initial                                      |
|                   | 12/2/2014 Sections 1, 5, 7, 9, 10, 11, and 15 updated |

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