

Issue Date 20-May-2015

Revision Date 17-Feb-2021

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** Silastomer 334

### Other means of identification

**Product Code** MS-334

**UN/ID no.** None

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Silicone.

**Uses advised against** None known

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Hernon Manufacturing Inc.  
121 Tech Drive  
Sanford, FL 32771  
800-527-0004

### Emergency telephone number

**Company Phone Number** 407-322-4000

**Emergency Telephone** Chemtel 800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label elements

#### Emergency Overview

**Appearance** No information available      **Physical state** Paste      **Odor** Acetic acid

#### **Precautionary Statements - Prevention**

Use only outdoors or in a well-ventilated area  
Avoid release to the environment

#### **Precautionary Statements - Storage**

Store in accordance with local regulations

### Hazards not otherwise classified (HNOC)

Not applicable

**Other Information**

Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

| Chemical Name                              | CAS No.     | Weight-% | Trade Secret |
|--|-------------|----------|--------------|
| Poly(dimethylsiloxane), hydroxy terminated | 70131-67-8  | 60 - 100 | *            |
| Silicon dioxide                            | 7631-86-9   | 5 - 10   | *            |
| Petroleum Distillates                      | Proprietary | 5 - 10   | *            |
| TITANIUM DIOXIDE                           | 13463-67-7  | 1 - 5    | *            |
| Aluminum                                   | 7429-90-5   | 1 - 5    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.   |
| <b>Skin contact</b> | Wash with soap and water. Flush skin with water for several minutes. Remove contaminated clothing and shoes. If irritation develops, seek medical attention. Wash clothing before reuse. |
| <b>Inhalation</b>   | Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.                                   |
| <b>Ingestion</b>    | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.  |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**Use CO<sub>2</sub>, dry chemical, or foam.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products** Carbon oxides. Formaldehyde. Silica fume.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full

protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

**For emergency responders** Use personal protection recommended in Section 8.

### Environmental precautions

**Environmental precautions** See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Wipe and/or scrape up spilled material. Maintain good ventilation for large spills. Place scrape material in a well ventilated place and allow to cure to rubber.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Ensure adequate ventilation, especially in confined areas.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep at temperatures between 7 and 29 °C.

**Incompatible materials** moisture.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                  | ACGIH TLV  | OSHA PEL  | NIOSH IDLH  |
|--------------------------------|--|---|---|
| TITANIUM DIOXIDE<br>13463-67-7 | TWA: 10 mg/m <sup>3</sup>                              | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust  | IDLH: 5000 mg/m <sup>3</sup>  |
| Aluminum<br>7429-90-5          | TWA: 1 mg/m <sup>3</sup> respirable particulate matter | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 5 mg/m <sup>3</sup> Al<br>Aluminum | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust<br>TWA: 5 mg/m <sup>3</sup> Al |

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | Paste                    | <b>Odor</b>           | Acetic acid              |
| <b>Appearance</b>     | No information available | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | White                    |                       |                          |

| <b><u>Property</u></b>                | <b><u>Values</u></b>     | <b><u>Remarks • Method</u></b> |
|---------------------------------------|--------------------------|--------------------------------|
| <b>pH</b>                             | Does not apply           |                                |
| <b>Melting point / freezing point</b> | No information available |                                |
| <b>Boiling point / boiling range</b>  | No information available |                                |
| <b>Flash point</b>                    | > 93 °C / 200 °F         |                                |
| <b>Evaporation rate</b>               | No information available |                                |
| <b>Flammability (solid, gas)</b>      | No information available |                                |
| <b>Flammability Limit in Air</b>      |                          |                                |
| <b>Upper flammability limit:</b>      | No information available |                                |
| <b>Lower flammability limit:</b>      | No information available |                                |
| <b>Vapor pressure</b>                 | < 5 mm @80°F             |                                |
| <b>Vapor density</b>                  | No information available |                                |
| <b>Relative density</b>               | 1.04                     |                                |
| <b>Water solubility</b>               | Polymerization can occur |                                |
| <b>Solubility in other solvents</b>   | No information available |                                |
| <b>Partition coefficient</b>          | No information available |                                |
| <b>Autoignition temperature</b>       | No information available |                                |
| <b>Decomposition temperature</b>      | No information available |                                |
| <b>Kinematic viscosity</b>            | No information available |                                |
| <b>Dynamic viscosity</b>              | No information available |                                |
| <b>Explosive properties</b>           | No information available |                                |
| <b>Oxidizing properties</b>           | No information available |                                |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Incompatible materials.

**Incompatible materials**

Moisture.

**Hazardous Decomposition Products**

None known.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

|                     |                    |
|---------------------|--------------------|
| <b>Inhalation</b>   | No data available. |
| <b>Eye contact</b>  | No data available. |
| <b>Skin contact</b> | No data available. |
| <b>Ingestion</b>    | No data available. |

| Chemical Name  | Oral LD50             | Dermal LD50             | Inhalation LC50                      |
|--|-----------------------|-------------------------|--------------------------------------|
| Poly(dimethylsiloxane), hydroxy terminated<br>70131-67-8 | > 15400 mg/kg ( Rat ) | > 16 mL/kg ( Rabbit )   | > 8750 mg/m <sup>3</sup> ( Rat ) 7 h |
| Petroleum Distillates                                    | = 7400 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | = 4.6 mg/L ( Rat ) 4 h               |
| TITANIUM DIOXIDE<br>13463-67-7                           | > 10000 mg/kg ( Rat ) | -                       | -                                    |

**Information on toxicological effects****Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization** No information available.**Germ cell mutagenicity** No information available.**Carcinogenicity**

| Chemical Name                  | ACGIH | IARC     | NTP | OSHA |
|--------------------------------|-------|----------|-----|------|
| TITANIUM DIOXIDE<br>13463-67-7 | -     | Group 2B | -   | X    |

**Reproductive toxicity** No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Aspiration hazard** No information available.**Numerical measures of toxicity - Product Information****The following values are calculated based on chapter 3.1 of the GHS document.**

No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical Name         | Algae/aquatic plants | Fish  | Crustacea |
|-----------------------|----------------------|---|-----------|
| Petroleum Distillates | -                    | 35: 96 h Pimephales promelas mg/L<br>LC50 flow-through 10000: 96 h<br>Pimephales promelas mg/L LC50<br>static | -         |

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

| Chemical Name         | California Hazardous Waste Status |
|-----------------------|-----------------------------------|
| Aluminum<br>7429-90-5 | Ignitable powder                  |

## 14. TRANSPORT INFORMATION

**DOT** Not regulated  
**UN/ID no.** None  
**Proper shipping name** Not regulated  
**Hazard Class** None  
**Packing Group** None  
**Special Provisions** None

**IATA** Not regulated  
**UN/ID no.** None  
**Proper shipping name** Not regulated  
**Hazard Class** None  
**Packing Group** None  
**Special Provisions** None

**IMDG** Not regulated  
**UN/ID no.** None  
**Proper shipping name** Not regulated  
**Hazard Class** None  
**Packing Group** None  
**Special Provisions** None

## 15. REGULATORY INFORMATION

### International Inventories

|               |          |
|---------------|----------|
| TSCA          | Complies |
| DSL/NDSL      | Complies |
| EINECS/ELINCS | Complies |
| ENCS          | Complies |
| IECSC         | Complies |
| KECL          | Complies |
| PICCS         | Complies |
| AICS          | Complies |

All ingredients are on the inventory or are exempt from listing.

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name        | SARA 313 - Threshold Values % |
|----------------------|-------------------------------|
| Aluminum - 7429-90-5 | 1.0                           |

#### SARA 311/312 Hazard Categories

|                                   |    |
|-----------------------------------|----|
| Acute health hazard               | No |
| Chronic Health Hazard             | No |
| Fire hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical Name                 | California Proposition 65 |
|-------------------------------|---------------------------|
| TITANIUM DIOXIDE - 13463-67-7 | Carcinogen                |

**U.S. State Right-to-Know Regulations**

| Chemical Name                  | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------|------------|---------------|--------------|
| TITANIUM DIOXIDE<br>13463-67-7 | X          | X             | X            |
| Aluminum<br>7429-90-5          | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|                    |                  |                |                    |                                    |
|--------------------|------------------|----------------|--------------------|------------------------------------|
| <b><u>NFPA</u></b> | Health hazards - | Flammability - | Instability -      | Physical and Chemical Properties - |
| <b><u>HMIS</u></b> | Health hazards - | Flammability - | Physical hazards - | Personal protection -              |

|               |                          |
|---------------|--------------------------|
| Prepared By   | SDS coordinator          |
| Issue Date    | 20-May-2015              |
| Revision Date | 17-Feb-2021              |
| Revision Note | No information available |

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**