

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

075349022

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

075348693 075349519 075349576 075349600 075349667

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

073430113 075348727 075348750 075348784 075348818 075348842 075348875 075348909 075348933 075348966  
075348990 075350582 075350590 075350608 075350616 075350624 075350632 075350640

**Section 1 – Identification**
**Product Name:** WIRE WAX "KEWAX"

**Manufacturer:** Keystone Industries  
52 W King St  
Myerstown PA 17067

**Chemical Name /** Wax  
**Synonyms:**
**Information Contacts:** (856) 333-3131

**Emergency Phone Numbers:** US & Canada ( 800 ) 535 - 5053

**Family:** Dental waxes

**EU Address:** KEYSTONE EUROPE LLC.  
Batavenweg 7

**Product Use:** Dental Modeling

5349BC OSS, Netherlands

**Product #:** 1880500, 1880510, 1880520, 1880530,  
1880540, 1880550, 1880560, 1880570, 1880580, 1880590,  
1880600, 1880620, 1880630, 1880640, 1880650, 1880660,  
1880670

**Emergency EU Phone Numbers:**  
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 and EU directives.
- Molten Resin cause severe thermal burns.
- Thermal decomposition will generate irritant and harmful gases.

**Potential Health Effects, Signs and Symptoms of Exposure:**

Primary Route of Entry

|            |                                                                                                                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye        | Fumes from molten product may cause irritation. Contact with molten product may cause severe thermal burns.                                                                                                                                                                                          |
| 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  | Low order of acute systematic toxicity.                                                                                                                                                                                                                                                              |
| Inhalation | Product dust may cause respiratory tract irritation. Molten wax may cause irritation to the respiratory tract.                                                                                                                                                                                       |

NOTE: Refer to Section 11, Toxicological Information for Details

**Section 3 – Composition/Information on Ingredients**

None of the components in this product are considered hazardous by OSHA per 29 CFR 1910 and by any EU directives.  
Consists of a mixture of waxes, resins, and pigments.

| Chemical Identity      | CAS Numbers              | EINECS# | INCI Name | Exposure OSHA<br>TWA/STEL  | Limits ACGIH<br>TWA/STEL   | Carcinogen<br>IARC/NTP/OSHA | %    |
|------------------------|--------------------------|---------|-----------|----------------------------|----------------------------|-----------------------------|------|
| Microcrystalline Wax   | 63231607                 |         |           | 2 ppm (mg/m <sup>3</sup> ) | 2 ppm (mg/m <sup>3</sup> ) | N/E                         | 100% |
| N/E – None Established | N/DA – No Data Available |         |           |                            |                            |                             |      |
| N/R – Not Reviewed     | N/A – Not Applicable     |         |           |                            |                            |                             |      |

This product is completely colophony free with no detectable trace elements.

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        | Ambient wax – flush wax particles with tepid water. Hot wax – seek medical attention.                                                      |
| First Aid for Skin       | Ambient wax – wash with soap and water. Molten wax – cool wax immediately – do not remove wax from skin. Seek medical attention.           |
| First Aid for Ingestion  | Small quantities – permit to pass through system. Large quantities – seek medical attention.                                               |
| First Aid for Inhalation | When fume or mist occurs remove to fresh air. If person is not breathing provide oxygen or artificial respiration. Seek medical attention. |

**Section 5 – Fire Fighting Measures**

| Flash Point (°F/°C)      | Flammable Limit (vol%) | Auto-ignition Temperature (vol%) |
|--------------------------|------------------------|----------------------------------|
| >200°C<br>COC, ASTM D-92 | LEL: N/A<br>UEL: N/A   | Not Determined                   |

**Method:**

Extinguishing Media: Use water fog, alcohol-type foam, dry chemical, or CO<sub>2</sub>. Do not use direct stream of water.

Fire Fighting Instructions: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

Unusual Hazards: As with most solid or particulate organic material, extremely high dust concentration in air may result in a potential fire hazard. Good housekeeping practices will prevent any significant accumulations.

**Section 6 – Accidental Release Measures**

Spill or Release Procedures: Minor spills – Clean up immediately. Slipping hazard. In molten state, avoid contact with skin and eyes. If possible, allow material to cure, before handling.

Major spills – Clear area of personnel. Restrict access to area. Clean up immediately. Slipping hazard. In molten state, avoid contact with skin and eyes. If possible, allow material to cure, before handling.

See section 8 & section 12.

**Section 7 – Handling and Storage**

Handling: No special handling requirements when product is at room temperature. If handling in molten state, see section 8. Observe good standard hygiene measures in handling chemical substances.

Storage: Store dry at temperatures not exceeding 45°C. Do not store in direct sunlight. Keep away from food.

Explosion Hazard: None.

**Section 8 – Exposure Controls / Personal Protection**

Engineering Controls: No special engineering controlled required. Local ventilation is adequate.

**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. Protective work clothing.

Respiratory Protection: None under ordinary operating use.

**Section 9 – Physical and Chemical Properties**

| Appearance | Odor & Odor Threshold | pH  | Specific Gravity              | Viscosity | % Volatile |
|------------|-----------------------|-----|-------------------------------|-----------|------------|
| Waxy solid | Little or no odor     | N/A | (H <sub>2</sub> O = 1): 0.934 | 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) |
|----------------------------------|------------------------------|-------------------------------------------------------|--------------------|------------------|---------------------|----------|----------------------------------|
| 660 - 730°F/<br>N/A              | N/E                          | N/DA                                                  | N/A                | N/A              | N/A                 | N/E      | Insoluble                        |

| Flash Point (°F/°C)      | Flammable Limit (vol%) | Auto-ignition Temperature (vol%) |
|--------------------------|------------------------|----------------------------------|
| >200°C<br>COC, ASTM D-92 | LEL – N/A<br>UEL – N/A | Not determined                   |

**Section 10 – Stability and Reactivity**

**Stability:**  
Stable

**Incompatibility (Materials to Avoid):**  
Strong oxidizing materials

|                                                                                                         |                                                    |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>Hazardous Decomposition Products:</b><br>Carbon dioxide (Carbon monoxide with incomplete combustion) | <b>Hazardous Polymerization:</b><br>Will not occur |
| <b>Conditions to Avoid:</b> Storage at temperatures exceeding 45°C.                                     |                                                    |

## Section 11 – Toxicological Information

| Acute Oral Toxicity | Acute Dermal Toxicity | Acute Inhalation Toxicity | Irritation – skin | Irritation – Eye |
|---------------------|-----------------------|---------------------------|-------------------|------------------|
| N/DA                | N/DA                  | N/DA                      | N/DA              | N/DA             |

| 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

|                        |      |
|------------------------|------|
| Biodegradability       | N/DA |
| Chemical Oxygen Demand | 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 considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are:<br>• None                                     |
| SARA Title III: Section 302 (RQ)    | This product contains no chemicals regulated under Section 302 as extremely hazardous substances.                                                        |
| 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).         |

**Material Safety Data Sheet WIRE WAX “KEWAX”**

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|                                |                                                                                                                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:<br><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. |
|--------------------------------------------------------------------------------------------|

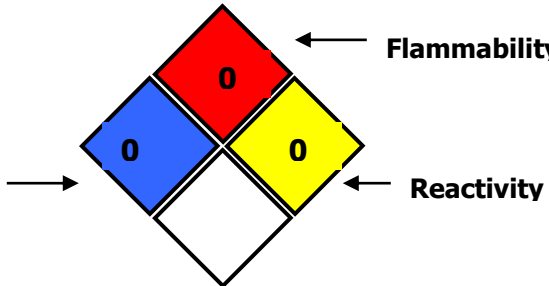
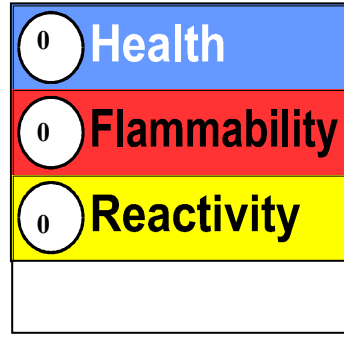
**International Regulations**

|                                                             |                                                                         |
|-------------------------------------------------------------|-------------------------------------------------------------------------|
| CDSL: Canadian Inventory<br>(on Canadian Transitional List) | All components are listed, where applicable.<br>Not Controlled by 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 Wire Wax “Kewax” (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)**

|                                                                                                        |                                                                                                          |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>NFPA:</b><br><br> | <b>HMIS:</b><br><br> |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|

|                   |            |                                   |
|-------------------|------------|-----------------------------------|
| Revision History: | 12/2006    | Overall format revision           |
|                   | 12/14/2011 | Reviewed, no content changes made |
|                   | 01/09/2015 | Format updated                    |

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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.

**Section 1 Chemical Product and Company Identification****1.1 Product identifiers**

Product name: Casting Wax

Product Code: 1880270, 1880280, 1880290, 1880300, 1880310, 1880320,  
1880330, 1880340, 1880350, 1880360, 1880370, 1880380

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: N/A

**1.3 Details of the supplier of the safety data sheet**

Keystone Industries  
616 Hollywood Av  
Cherry Hill, NJ 08002  
(856) 663 - 4700

**1.4 Emergency telephone number**

US & Canada: (800) 535 - 5053

**Section 2 Hazards Identification****2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

**2.2 GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**

None.

**Section 3 Composition/Information on Ingredients****3.1 Substance**

Proprietary mixture of waxes.

No ingredients are hazardous according to OSHA criteria.

No components need to be disclosed according to the applicable regulations.

**Section 4 First Aid Measures****4.1 Description of first aid measures****If inhaled**

Move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

No data available.

**Section 5 Fire Fighting Measures****5.1 Extinguishing media**

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further Information**

No data available.

**Section 6 Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

**6.3 Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Section 7 Handling and Storage****7.1 Precautions for safe handling**

Use normal precautions when handling hot molten liquid solutions. Do not breathe fumes or vapor from heated material. Do not allow hot material to contact skin. Provide appropriate exhaust ventilation at places where dust is formed. Try to avoid creating dust.

**7.2 Conditions for safe storage, including any incompatibilities**

Store at ambient temperatures in closed containers. This material can catch fire if overheated.

Do not heat this material above the flash point. Keep away from flame and open electrical coils. No chemical incompatibilities.

**Section 8 Exposure Controls/Personal Protection****8.1 Control parameters****Components with workplace control parameters**

Wax Fume                      ACGIH STEL: 2 mg/m<sup>3</sup>                      NIOSH TWA: 2 mg/m<sup>3</sup>

**8.2 Exposure controls**

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the workstation.

**8.3 Personal protective equipment****Eye/face protection**

Use a full-face shield and safety glasses if handling heated material. With product at ambient temperatures, use safety glasses equipped with side shields.

**8.4 Skin protection****Hand Protection**

When handling product at elevated temperatures, use heat-resistant gloves. With product at ambient temperatures, use disposable nitrile, neoprene or butyl rubber gloves with repeated or prolonged use.

**Body Protection**

Prevent skin contact when handling heated material. Use insulated, heat resistant clothing such as apron or slicker suit.

**8.5 Respiratory Protection**

The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist pre-filter should be used.

**8.6 Safety Stations**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**8.7 General Hygienic Practices**

Avoid breathing dust, vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

**Section 9 Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| <b>Appearance</b>                                | Solid; color varies (Pink, Green, etc) |
| <b>Odor</b>                                      | Mild                                   |
| <b>Odor Threshold</b>                            | No data available                      |
| <b>pH</b>                                        | No data available                      |
| <b>Melting Point</b>                             | No data available                      |
| <b>Ring and Ball Softening Point</b>             | 170°F                                  |
| <b>VOC Content</b>                               | 0                                      |
| <b>Initial boiling point &amp; boiling range</b> | No data available                      |
| <b>Flash Point (COC)</b>                         | 465°F (240°C)                          |
| <b>Evaporation rate</b>                          | No data available                      |
| <b>Flammability (solid, gas)</b>                 | No data available                      |
| <b>Upper/lower flammability</b>                  | No data available                      |
| <b>Vapor Pressure</b>                            | No data available                      |
| <b>Vapor density</b>                             | No data available                      |

|                                      |                   |
|--------------------------------------|-------------------|
| <b>Relative density (g/cc)</b>       | 0.9 ±0.05         |
| <b>Water Solubility</b>              | Insoluble         |
| <b>Coefficient: n-octanol/ water</b> | No data available |
| <b>Auto-ignition temperature</b>     | No data available |
| <b>Viscosity</b>                     | No data available |
| <b>Explosive Properties</b>          | None              |
| <b>Oxidizing Properties</b>          | None              |
| <b>% Volatile</b>                    | 0                 |

**Section 10 Stability and Reactivity****10.1 Reactivity**

None.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

None.

**10.4 Conditions to avoid**

Heat and open flames.

**10.5 Incompatible materials**

None.

**10.6 Hazardous decomposition products**

Thermal oxidative decomposition can produce CO and CO<sub>2</sub>.

**Section 11 Toxicological Information****11.1 Information on toxicological effects**

**Acute toxicity** No data available **Inhalation** No data available

**Dermal** No data available

**Skin corrosion/irritation** No data available

**Serious eye damage/eye irritation** No data available

**Respiratory or skin sensitization** No data available

**Germ cell mutagenicity** No data available

**Carcinogenicity**

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

|                                       |                   |
|---------------------------------------|-------------------|
| <b>Reproductive toxicity</b>          | No data available |
| <b>Specific target organ toxicity</b> |                   |
| - single exposure                     | No data available |
| <b>Specific target organ toxicity</b> |                   |
| - repeated exposure                   | No data available |
| <b>Aspiration hazard</b>              | No data available |

**Section 12 Ecological Information**

|                                                  |                   |
|--------------------------------------------------|-------------------|
| <b>12.1 Toxicity</b>                             | No data available |
| <b>12.2 Persistence and degradability</b>        | No data available |
| <b>12.3 Bioaccumulative potential</b>            | No data available |
| <b>12.4 Mobility in soil</b>                     | No data available |
| <b>12.5 Results of PBT &amp; vPvB assessment</b> | No data available |

**Section 13 Disposal Considerations****13.1 Disposal**

Use safety containers for disposal. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Section 14 Transport Information****14.1 Shipping Name:**

**DOT:** Not regulated  
**TDG:** Not regulated  
**IMDG:** Not regulated  
**IATA:** Not regulated

**Section 15 Regulatory Information****15.1 US Federal Regulations**

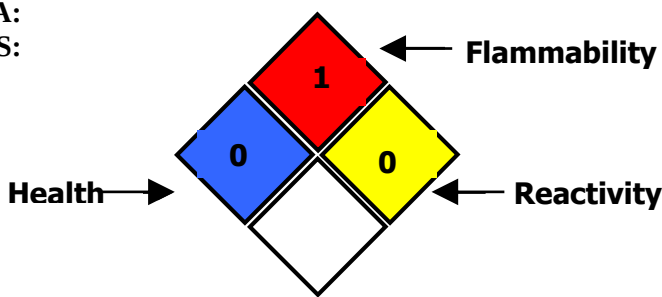
RCRA Hazardous Waste Number (40 CFR 261.33): Not listed  
RCRA Hazardous Waste Classification (40 CFR 261): Not classified  
CERCLA Hazardous Substance (40 CFR 302.4): Listed/unlisted specific per RCRA Sec. 3001  
SARA 311/312 Codes: No hazard categories identified  
SARA Toxic Chemical (40 CFR 372.65): No components were identified  
TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

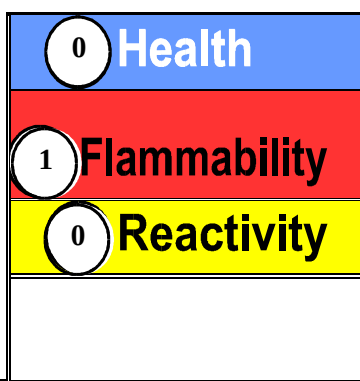
**15.2 State Regulations**

This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

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

NFPA:  
HMIS:





|                       |                                                                                |
|-----------------------|--------------------------------------------------------------------------------|
| Initial Release       | February 2006; Revised December 2007                                           |
| Revised June 29, 2015 | Reformatted and filled in information in all sections so to make GHS compliant |
|                       |                                                                                |

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