

SAFETY DATA SHEET

Product Name: Smart Seal, WB Epoxy Floor Coating, Tan, Base

Product Code: 5200

Date issued: 5/28/2015

SECTION 1 : IDENTIFICATION

Product Name Smart Seal, WB Epoxy Floor Coating, Tan, Base
Product Code # 5200
Identified Uses Protective Coating
Manufacturer: Kelley Technical Coatings
1445 South 15th Street
P.O. Box 3726
Louisville, Kentucky 40201-3726
Emergency Contact Number: Day: 502-636-2561 Night: 800-424-9300
Information Telephone Number: 502-636-2561

SECTION 2 : HAZARDS IDENTIFICATION

Acute Toxicity-Dermal 4
Skin Sensitization 1
Eye Damage/Irritation 2a
Acute Toxicity - Inhalation 4
Specific Target Organ Toxicity (Single Exposure) 3

GHS Classification

GHS Label Elements

Hazard Symbols



Signal Word Warning

Hazard Statements

H312 Harmful in contact with skin
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H332 Harmful if inhaled
H336 May cause drowsiness or dizziness

Precautionary statements

Prevention

P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapor/spray.
P271 Use only outdoors or in well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear PPE to protect skin/eyes.

Response

P312 Call a poison center or doctor if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage/ Disposal

P405 Store locked up.
P501 Dispose of contents/container in accordance with federal, state, provincial, and local regulations.
P403 + P233 Store in well ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.

SAFETY DATA SHEET

Product Name: Smart Seal, WB Epoxy Floor Coating, Tan, Base

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Other Hazards OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR1910.1200)

SECTION 3 : COMPOSITION INFORMATION

| Chemical Designation | CAS No. | % by Weight |
|------------------------------|-------------|-------------|
| nepheline syenite | 37244-96-5 | 10 - 20% |
| alkyl phenol polyether | proprietary | 10 - 20% |
| titanium dioxide | 13463-67-7 | 10 - 20% |
| bisphenol-a epoxy | 25068-38-6 | 5 - 10% |
| ethylene glycol propyl ether | 2807-30-9 | 1 - 5% |
| butoxy dipropanol | 29911-28-2 | 1 - 5% |
| iron oxide, yellow | 51274-00-1 | 1 - 5% |

SECTION 4 : FIRST AID MEASURES

| | |
|--------------------|--|
| General Advice | Show this safety data sheet to the doctor in attendance |
| Eyes: | Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention. |
| Skin: | Wash affected area thoroughly with soap and water. If skin irritation persists, get immediate medical attention. |
| Inhalation: | Move to fresh air. Restore breathing. If breathing is difficult, get immediate medical attention. |
| Ingestion: | Do not induce vomiting – seek immediate medical attention. |
| Notes to Physician | Treat symptomatically |

SECTION 5 : FIRE FIGHTING MEASURES

| | |
|--|--|
| Extinguishing Media: | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Specific Hazards arising from the Chemical | Closed containers may rupture if exposed to fire or extreme heat. |
| Special protective Equipment: | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

SECTION 6 : ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------|---|
| Personal Precautions: | Use personal protective equipment. Remove all sources of ignition. |
| Environmental Precautions | Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. |
| Methods for Clean-up | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. |
| Other Information | None known |

SECTION 7 : HANDLING & STORAGE

| | |
|-----------|---|
| Handling: | Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment. |
| Storage: | Keep container tightly closed. Keep out of the reach of children. |

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

HMIS is a Health, Flammability and Reactivity rating: **2*11**

HMIS CODE: **4** – SEVERE HAZARD, **3** – SERIOUS HAZARD, **2** – MODERATE HAZARD, **1** – SLIGHT HAZARD, **0** – MINIMAL HAZARD,
* – Chronic Hazard

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual conditions of use.

Exposure Limits

Hazardous Components

OSHA PEL

ACGIH TLV

SAFETY DATA SHEET

Product Name: Smart Seal, WB Epoxy Floor Coating, Tan, Base

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| | | |
|------------------------------|-----------|----------|
| nepheline syenite | 5 ppm (R) | NE |
| alkyl phenol polyether | NA | NA |
| titanium dioxide | 15 mg/m3 | 10 mg/m3 |
| bisphenol-a epoxy | NA | NA |
| ethylene glycol propyl ether | NE | NE |
| butoxy dipropanol | NE | NE |
| iron oxide, yellow | NE | NE |

NE = None established NA = Not available (C) = Ceiling limit (I) = Inhalable fraction (IFV) = Inhalable fraction and vapor STEL = Short term exposure limit (R) = Respirable fraction

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eyes/Face: Safety goggles or full face shield
Skin: Protective gloves and impervious clothing.
Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene Practices: Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--|-------------------|----------------------------------|----------------|
| Appearance: | liquid | | |
| Odor: | Little or no odor | Odor threshold: | Not determined |
| VOC lb/gal | 0.60 | VOC (g/L) | 72.07 |
| VOC (lb/gal) less exempt | 1.07 | VOC (g/L) less exempt | 128.15 |
| Relative Density (LB/GAL): | 11.80 | Specific Gravity (g/L): | 1.42 |
| Flash Point (F): | Greater than 201 | | |
| Flammability: | Not applicable | Upper/lower flammability limits: | Not applicable |
| Auto-ignition temperature: | Not applicable | Decomposition temperature: | Not determined |
| Evaporation rate : | Not available | | |
| Vapor Pressure (mmHg) : | Not available | Vapor Density : | Not available |
| Initial Boiling Point (F): | 212 | Boiling Point Range (F): | Not available |
| Freezing Point (F): | 32 | Melting Point (F): | Not determined |
| pH | Not available | Viscosity | Not available |
| Solubility (ies): | Not determined | | |
| Partition coefficient: n-octanol/water | Not determined | | |

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Prevent from freezing
Materials to Avoid: No materials to be especially mentioned.
Hazardous Decomposition Products: None under normal use.
Possibility of Hazardous Reactions: None under normal conditions of use.

SECTION 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity

| Component | LD50 Oral mg/kg (Rat) | LD50 Dermal mg/kg (Rabbit) | LC50 Inhalation mg/L (Rat, 4 hr.) |
|------------------------------|-----------------------|----------------------------|-----------------------------------|
| nepheline syenite | NA | NA | NA |
| alkyl phenol polyether | >2,000 | >2,000 | NA |
| titanium dioxide | 10,000 | 10,000 | 6.82 |
| bisphenol-a epoxy | 1,000-5,000 | >1,200 | NA |
| ethylene glycol propyl ether | NA | NA | NA |
| butoxy dipropanol | NA | NA | NA |
| iron oxide, yellow | NA | NA | NA |

Chronic Toxicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:

| Component | IARC | NTP | OSHA |
|-----------|------|-----|------|
|-----------|------|-----|------|

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| | | | |
|------------------|--------------------------------|------------|--------|
| titanium dioxide | 2B – Possible Human Carcinogen | Not listed | Listed |
|------------------|--------------------------------|------------|--------|

Per IARC Summary of Data Reported, Subsection 5.1: No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints.

SECTION 12 : ECOLOGICAL INFORMATION

No ecological information available

SECTION 13 : DISPOSAL CONSIDERATION

Waste Disposal Method

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

SECTION 14 : TRANSPORT INFORMATION

| REGULATION | DESCRIPTION |
|----------------------|--------------------|
| DOT | Not regulated |
| Proper Shipping Name | |
| Hazard Class | |
| UN-No | |
| Packing Group | |
| ICAO / IATA | Not regulated |
| IMDG/IMO | Not regulated |

SECTION 15 : REGULATORY INFORMATION

US TSCA: Yes – All components are listed or exempt

Federal Regulations

SARA 311/312 hazardous categorization

| | |
|-----------------------------------|-----|
| Acute Health Hazard | YES |
| Chronic Health Hazard | YES |
| Fire Hazard | NO |
| Sudden Release of Pressure Hazard | NO |
| Reactive Hazard | NO |

SARA 313

Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical Designation | Cas No. | Weight % |
|------------------------------|----------------|-----------------|
| ethylene glycol propyl ether | 2807-30-9 | < 5% |

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)

| Chemical Designation | Cas No. | Weight % |
|------------------------------|----------------|-----------------|
| ethylene glycol propyl ether | 2807-30-9 | 1 - 5% |

Any Target HAP listed in this section is not an OSHA Carcinogen unless listed as such in Section 11 under Chronic Toxicity.

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State Regulations

California Proposition 65

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

SECTION 16 : OTHER INFORMATION

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The above Information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy himself that the product is entirely suitable for his purposes.