

MATERIAL DATA SAFETY SHEET

Product Name: Smart Seal, WB Epoxy Floor Coating, Tan, 2 pk.

Product Code: 5200

Date issued: 2/28/2018

SECTION 1 : COMPANY AND PRODUCT IDENTIFICATION

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

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SECTION 2 : COMPOSITION INGREDIENTS

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%
ethylene glycol propyl ether	2807-30-9	5 - 10%
polyethylene polyamine adduct	proprietary	5 - 10%
bisphenol-a epoxy	25068-38-6	5 - 10%
butoxy dipropanol	29911-28-2	1 - 5%
iron oxide, yellow	51274-00-1	1 - 5%

SECTION 3 : HAZARDS IDENTIFICATION

OSHA Regulatory Status: Not hazardous

Potential Health Effects

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Effects

Eyes: Contact with eyes may cause irritation.

Skin: May cause skin irritation and /or dermatitis. May cause skin sensitization.

Inhalation: May cause irritation of respiratory tract. Avoid breathing vapors or mists. May cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

Ingestion: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause blood damage.

Chronic Effects Avoid repeated exposure. May cause blood damage. Repeated contact may cause allergic reactions in very susceptible persons.

Aggravated Medical Conditions None known

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.

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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:

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
nepheline syenite	5 ppm (R)	NE
alkyl phenol polyether	NA	NA
titanium dioxide	15 mg/m3	10 mg/m3
ethylene glycol propyl ether	NE	NE
polyethylene polyamine adduct	NA	NA
bisphenol-a epoxy	NA	NA
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
VOC lb/gal: 0.95
VOC (g/L): 114.40
VOC (lb/gal) less exempt: 1.69
VOC (g/L) less exempt: 203.25
Bulk Density (LB/GAL): 11.00
Specific Gravity (g/L): 1.32
pH: Not available
Viscosity: Not available
Evaporation rate : Not available
Vapor Pressure (mmHg) : Not available
Vapor Density : Not available
Boiling Point (F): 212
Freezing Point (F): 32
Melting Point (F): Not available
Flash Point (F): Greater than 201

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Flammable Limits: Not applicable

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
ethylene glycol propyl ether	NA	NA	NA
polyethylene polyamine adduct	1,000-5,000	>1,200	NA
bisphenol-a epoxy	NA	NA	NA
butoxy dipropanol	NA	NA	NA
iron oxide, yellow			

Chronic Toxicity

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

Component	IARC	NTP	OSHA
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

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Federal Regulations

SARA 311/312 hazardous categorization

Acute Health Hazard	NO
Chronic Health Hazard	NO
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 - 10%

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	5 - 10%

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

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

Date issued: 2/28/2018 VER Primary

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.