

# MATERIAL DATA SAFETY SHEET

**Product Name:** SUPER CONVOY, YELLOW, BASE

**Product Code:** 363

**Date issued:** 1/23/2014

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## SECTION 1 : COMPANY AND PRODUCT IDENTIFICATION

**Manufacturer:** Kelley Technical Coatings

1445 South 15<sup>th</sup> 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 INFORMATION

Chemical Designation	CAS No.	% by Weight
nepheline syenite	37244-96-5	20 - 30%
magnesium silicate	14807-96-6	10 - 20%
pumice	1332-09-8	5 - 10%
light aromatic naphtha	64742-95-6	5 - 10%
2-butoxyethanol	111-76-2	5 - 10%
1,2,4 trimethylbenzene	95-63-6	5 - 10%
titanium dioxide	13463-67-7	1 - 5%
crystalite	14464-46-1	1 - 5%
diatomaceous earth	68855-54-9	1 - 5%
crystalline silica, (quartz)	14808-60-7	0.1 - 1%
cumene	98-82-8	0.1 - 1%

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## SECTION 3 : HAZARDS IDENTIFICATION

**OSHA Regulatory Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 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.

Contains: Crystalline Silica which has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.

Aggravated Medical Conditions None known

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## 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

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## 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: Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition.  
Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep in properly labeled containers.

## SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

HMIS is a Health, Flammability and Reactivity rating: **2\*21**

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**

<b>Hazardous Components</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
nepheline syenite	5 ppm (R)	NE
magnesium silicate	20 mppcf	2 mg/m3 (R)
pumice	15 mg/m3	10 mg/m3
light aromatic naphtha	NE	NE
2-butoxyethanol	50 ppm	20 ppm
1,2,4 trimethylbenzene	25 ppm	25 ppm
titanium dioxide	15 mg/m3	10 mg/m3
cristobalite	250 mppcf/%SiO <sub>2</sub> +5	.025 mg/m3 (R)
diatomaceous earth	20 mppcf	10 mg/m3 (R)
crystalline silica, (quartz)	10 mg/m3/%SiO <sub>2</sub> +2 (R)	0.025 mg/m3 (R)
cumene	50 ppm	50 ppm

NE = None established NA = Not available (C) = Ceiling limit (I) = Inhalable fraction (IFU) = 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 operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

**Hygiene Practices:** Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using do not eat, drink or smoke.

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## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid
Odor:	Solvent odor
VOC lb/gal	2.99
VOC (g/L)	358.42
VOC (lb/gal) less exempt	2.99
VOC (g/L) less exempt	358.42
Bulk Density (LB/GAL):	13.02
Specific Gravity (g/L):	1.56
pH	Not available
Viscosity	Not available
Evaporation rate :	Not available
Vapor Pressure (mmHg) :	Not available
Vapor Density :	Not available
Boiling Point Range (F):	Not available
Freezing Point (F):	Not Determined
Melting Point (F):	Not Determined
Flash Point (F):	110
Flammable Limits:	Not Determined

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## SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions. Hazardous polymerization does not occur.
Conditions to Avoid:	Keep away from open flames, hot surfaces, static electricity and sources of ignition.
Materials to Avoid:	Incompatible with strong acids and bases and strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition can lead to release of irritating gases and vapors.
Possibility of Hazardous Reactions:	None under normal conditions of use.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Component</b>	<b>LD50 Oral mg/kg (Rat)</b>	<b>LD50 Dermal mg/kg (Rabbit)</b>	<b>LC50 Inhalation mg/L (Rat, 4 hr.)</b>
nepheline syenite	NA	NA	NA
magnesium silicate	NA	NA	NA
pumice	NA	NA	NA
light aromatic naphtha	8,400	NA	NA
2-butoxyethanol	470	220	2.2
1,2,4 trimethylbenzene	5,000	18,000	NA
titanium dioxide	10,000	10,000	6.82
cristobalite	500	NA	NA
diatomaceous earth	NA	NA	NA
crystalline silica, (quartz)			
cumene			

### Chronic Toxicity

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

<b>Component</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
titanium dioxide	2B – Possible Human Carcinogen	Not listed	Listed
cristobalite	1 – Human carcinogen	Known Human Carcinogen	Listed
crystalline silica, (quartz)	1 – Human carcinogen	Known Human Carcinogen	Listed
cumene	2B – Possible Human Carcinogen	Not listed	Listed

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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.

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## 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	
Proper Shipping Name	Paint (Mixture)
Hazard Class	3
UN-No	UN1263
Packing Group	III
ICAO / IATA	Contact the preparer for further information.
IMDG/IMO	Contact the preparer for further information.

## 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 %
1,2,4 trimethylbenzene	95-63-6	5 - 10%

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

Chemical Designation	Cas No.	Weight %
cumene	98-82-8	0.1 - 1%

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: 1/23/2014                      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.