

MATERIAL DATA SAFETY SHEET

Product Name: Biturez, 2pk

Product Code: 965

Date issued: 12/10/2014

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 INFORMATION

Chemical Designation	CAS No.	% by Weight
magnesium silicate	14807-96-6	30 - 40%
bisphenol-a epoxy	25068-38-6	20 - 30%
epoxy resin	25036-25-3	5 - 10%
light aromatic naphtha	64742-95-6	1 - 5%
1,2,4 trimethylbenzene	95-63-6	1 - 5%
naphthalene	91-20-3	1 - 5%
1-butoxy-2-propanol	5131-66-8	1 - 5%
carbon black	1333-86-4	0.1 - 1%
anthracene	120-12-7	0.1 - 1%
dibenzofuran	132-64-9	0.1 - 1%
benzene	71-43-2	0.1 - 1%

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.

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

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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

Hazardous Components	OSHA PEL	ACGIH TLV
magnesium silicate	20 mppcf	2 mg/m3 (R)
bisphenol-a epoxy	NA	NA
epoxy resin	NA	NA
light aromatic naphtha	NE	NE
1,2,4 trimethylbenzene	25 ppm	25 ppm
naphthalene	10 ppm	5 ppm
1-butoxy-2-propanol	NE	NE
carbon black	3.5 mg/m3	3 mg/m3 (I)
anthracene	NE	NE
dibenzofuran	NE	NE
benzene	1 ppm	0.5 ppm

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 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	1.20
VOC (g/L)	144.42
VOC (lb/gal) less exempt	1.20
VOC (g/L) less exempt	144.42
Bulk Density (LB/GAL):	12.09
Specific Gravity (g/L):	1.45
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

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.

SECTION 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	LD50 Oral mg/kg (Rat)	LD50 Dermal mg/kg (Rabbit)	LC50 Inhalation mg/L (Rat, 4 hr.)
magnesium silicate	NA	NA	NA
bisphenol-a epoxy	1,000-5,000	>1,200	NA
epoxy resin	> 2,000	NA	NA
light aromatic naphtha	8,400	18,000	NA
1,2,4 trimethylbenzene	5,000	NA	NA
naphthalene	NA	NA	NA
1-butoxy-2-propanol	NA	3,000	NA
carbon black	15,400	NA	NA
anthracene	NA	NA	NA
dibenzofuran	NA	NA	NA
benzene	NA	NA	NA

Chronic Toxicity

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

Component	IARC	NTP	OSHA
naphthalene	2B – Possible Human Carcinogen	Probable Human Carcinogen	Listed
carbon black	2B – Possible Human Carcinogen	Not listed	Listed
anthracene	NA	Not listed	Listed
dibenzofuran	NA	Not listed	Listed
benzene	1 – Human carcinogen	Known Human Carcinogen	Listed

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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%
naphthalene	91-20-3	< 5%

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

Chemical Designation	Cas No.	Weight %
naphthalene	91-20-3	1 - 5%
dibenzofuran	132-64-9	0.1 - 1%
benzene	71-43-2	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

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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.

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