

BRIDGE DECK & ROADWAY REHABILITATION SYSTEMS

MSDS: KBP 103/204/Flex 30

Emergency Phone Number: (800) 373-7542

SECTION 1 IDENTIFICATION

Product Name: KBP 103/ KBP 204/KBP Flex 30

CAS #: Mixture, N/A

Product Code: None Assigned

Formula ID: 6-1-94, revised 01-15-2002

Chemical Family: Methacrylate Monomer

HMIS Hazard Rating:

Health	2 Moderate
Fire	1 low
Reactivity	2 Moderate
PPE	G

Special Hazards: Potential irritant, sensitizer

SECTION 2 HAZARDOUS CHEMICAL COMPONENTS

Component: Hydroxypropyl Methacrylate

CAS#: 27813-02-1

ACGIH: N/E

OSHA: N/E

NTP: N/A

IARC: N/A

Remaining Components: Trade Secret

SECTION 3 PHYSICAL DATA

Boiling Point: N/A

Melting Point: N/A

Vapor Pressure: <1 mm Hg at 20 C

Vapor Density: N/A

Specific Gravity: 1.05

Packing Density: 8.7 lbs/gal.

Solubility in Water: Slightly

Percent Volatiles: N/A

Evaporation Rate: N/A

Appearance: Orange, low viscosity liquid

Odor: Mild, fruity

SECTION 4 FIRE FIGHTING AND EXPLOSION DATA

Flash Point: > 200F

Autoignition: N/AV

Flammability Class: NCMB

Upper Explosive Limit: N/AV

Lower Explosive Limit: N/AV

Fire and Explosion Hazards: Heat can cause polymerization. Heated containers can explode

Extinguishing Media: Carbon dioxide/dry chemical/water spray

Special Fire Fighting Instructions: Wear NIOSH/MSA approved self contained breathing apparatus and full protective gear. Explosion hazard. Fight advanced fires from protected location. Use water spray to cool containers exposed to fire.

SECTION 5 EXPOSURE AND EFFECTS INHALATION

Routes of Exposure Inhalation: May cause a reversible inflammatory effect on the upper respiratory system

First Aid Inhalation: Remove to fresh air. If breathing has stopped, institute artificial respiration and seek medical attention immediately.

Routes of Exposure Skin: May cause a reversible inflammatory effect on skin or tissue at the site of contact. May causes an allergic sensitization in a substantial proportion of humans or animals in normal tissue after repeated exposure.

First Aid Skin: Wash skin thoroughly with soap and water. Remove contaminated clothing. If symptoms persist, consult a physician
Routes of Exposure Eyes: Eye irritant. Possible permanent injury.

First Aid Eyes: Rinse eyes thoroughly with clean water for at least 15 minutes. Consult physician immediately.

Routes of Exposure Ingestion: May cause effects to the GI Tract, usually resulting from ingestion of the materials, such as irritation, nausea, GI disorders, ulceration, diarrhea or constipation.

First Aid Ingestion: If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Consult a physician immediately.

Health Conditions Aggravated by Exposure: May affect the renal system, including kidney damage, EDEMA, proteinuria, or other nephrotoxicity. May cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatotoxicity.

SECTION 6 REACTIVITY AND POLYMERIZATION

Stability: Stable

Conditions to Avoid: Do not store under oxygen free environment

Incompatible Materials: Acids, bases, oxidizing agents, reducing agents, free radical initiators, organic peroxides

Hazardous Decomposition Products: CO₂, CO, Nitrous compounds, Hydrocarbons

Conditions to Avoid (Polymerization): Excessive aging, heat contamination with polymerization catalysts, oxygen free atmosphere, ultraviolet light

Hazardous polymerization: Can occur

SECTION 7 SPILL, LEAK, AND DISPOSAL PROCEDURES

Steps to be taken in the event of Spills, Leaks, or Release:

Contain spills immediately with inert materials. Transfer liquids and solid diking material to separate suitable containers for disposal. Contaminated material may be unstable. Add inhibitor to prevent polymerization. Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Waste Disposal Methods: Dispose of in accordance with Federal, State, and Local environmental regulations. May be incinerated along with contaminated diking material.

SECTION 8 SPECIAL PROTECTIVE MEASURES

Ventilation: Local exhaust highly recommended. Mechanical exhaust highly recommended

Eye Protection: Safety glasses, goggles, full face shield

Skin Protection: Avoid skin contact. Wear protective clothing. Chemical resistant rubber or plastic gloves are required.

Respiratory Protection: NIOSH/MSA approved organic vapor respirator suggested for those individual sensitive to chemical odors.

SECTION 9 SPECIAL PRECAUTIONS FOR STORAGE AND HANDLING

Storage and Handling Conditions: Store materials in a cool, dry area out of direct sunlight. Do not store under oxygen free environment

SECTION 10 SHIPPING INFORMATION

Proper Shipping Name: KBP 103/204/Flex 30, methacrylate monomer/resinous mixture

Hazard Class: Not Regulated

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