

446 Clear WB Urethane Finishcoat (Gloss)

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Part A

Supersedes Revision: 05/16/2016

1. Product and Company Identification

Product Code: 446-CLEAR

Product Name: 446 Clear WB Urethane Finishcoat (Gloss) Part A

Company Name: Key Resin / Flowcrete **Phone Number:**
4050 Clough Woods Dr. +1 (513)943-4225
Batavia, OH 45103

Emergency Contact: Chemtrec (USA) (800)424-9300
Chemtrec (International) +1 (703)527-3887

Intended Use: Industrial floor coatings.

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2B**Skin Corrosion/Irritation, Category 3**

GHS Hazard Phrases: H320 - Causes eye irritation.
H316 - Causes mild skin irritation.
H335 - May cause respiratory irritation.
H303 - May be harmful if swallowed.

GHS Precaution Phrases: P103 - Read label before use. P281 - Use personal protective equipment as required.
P262 - Do not get in eyes, on skin, or on clothing. P261 - Avoid breathing mist/vapors/spray. P264 - Wash hands thoroughly after handling.

GHS Response Phrases: P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 - If eye irritation persists, get medical advice/attention.
P302+352 - IF ON SKIN: Wash with plenty of soap and water. P332+313 - If skin irritation occurs, get medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P314 - Get medical attention/advice if you feel unwell.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P313 - Get medical advice/attention.

GHS Storage and Disposal Phrases: P404 - Store in a closed container.
P402 - Store in a dry place.
P401 - Store: at 45-80 degrees Fahrenheit.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic): May cause eye irritation. May cause skin irritation. May cause respiratory irritation. May be harmful if swallowed.

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Medical Conditions Generally Aggravated By Exposure: Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
2807-30-9	Ethylene glycol monopropyl ether	1.0 - 5.0 %	
102-71-6	Triethanolamine	1.0 - 5.0 %	
5131-66-8	2-Propanol, 1-Butoxy-	1.0 - 5.0 %	
872-50-4	N-Methyl-2-pyrrolidone	<1.5 %	

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.
In Case of Skin Contact:	In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.
In Case of Eye Contact:	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
In Case of Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. For further assistance, contact your local Poison Control Center.
Signs and Symptoms Of Exposure:	Mild irritation effect.

5. Fire Fighting Measures

Flash Pt:	NA	Method Used:	Not Applicable
Explosive Limits:	LEL: NE	UEL: NE	
Autoignition Pt:	No data.		
Suitable Extinguishing Media:	Will not support combustion.		
Unsuitable Extinguishing Media:	Will not support combustion.		
Fire Fighting Instructions:	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to cool unopened containers.		
Flammable Properties and Hazards:	Product will not support combustion as supplied. Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.		

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Environmental Precautions:	Prevent entry into waterways, sewers, basements or confined areas.
Steps To Be Taken In Case Material Is Released Or Spilled:	PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL. Evacuate area. Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

7. Handling and Storage

Precautions To Be Taken in Handling:	Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing.
Precautions To Be Taken in Storing:	Keep from freezing. Keep container closed when not in use.
Other Precautions:	Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

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CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
2807-30-9	Ethylene glycol monopropyl ether	No data.	No data.	No data.
102-71-6	Triethanolamine	No data.	TLV: 5 mg/m3	No data.
5131-66-8	2-Propanol, 1-Butoxy-	No data.	No data.	No data.
872-50-4	N-Methyl-2-pyrrolidone	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Eye Protection:	Safety glasses, or goggles.
Protective Gloves:	Nitrile rubber and Neoprene are recommended.
Other Protective Clothing:	Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.
Engineering Controls (Ventilation etc.):	Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.
Work/Hygienic/Maintenance Practices:	Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.
Environmental Exposure Controls:	Avoid release to the environment. Avoid runoff into storm sewers and ditches which lead to waterways.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Milky. Faint.
Melting Point:	No data.
Boiling Point:	>= 212.00 F (100.0 C)
Autoignition Pt:	No data.
Flash Pt:	NA Method Used: Not Applicable
Explosive Limits:	LEL: NE UEL: NE
Specific Gravity (Water = 1):	~ 1.03
Density:	~ 8.62
Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	NE
Evaporation Rate:	NE
Solubility in Water:	Soluble
Solubility Notes:	Water soluble.
Saturated Vapor Concentration:	NE
Percent Volatile:	>= 70.0 % by volume.

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10. Stability and Reactivity

Reactivity: None known.
Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: None known.
Incompatibility - Materials To Avoid: Strong oxidizing agents. Water reactives.
Hazardous Decomposition Or Byproducts: Carbon dioxide, Carbon monoxide, Nitrogen oxides.
Possibility of Hazardous Polymerization: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: None known.

11. Toxicological Information

Toxicological Information: Product not considered to be a toxic mixture.
Irritation or Corrosion: No data available.
Symptoms related to Toxicological Characteristics: No data available.
Chronic Toxicological Effects: No data available.

12. Ecological Information

General Ecological Information: No data available.
Results of PBT and vPvB assessment: No data available.
Persistence and Degradability: No data available.
Bioaccumulative Potential: not reported, unknown.
Mobility in Soil: not reported, unknown.

13. Disposal Considerations

Waste Disposal Method: Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

Precautionary Label: May cause skin, eye, and respiratory irritation. Always read Safety Material Data Sheet before use.

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.

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MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

15. Regulatory Information

This material meets the EPA Yes No Acute (immediate) Health Hazard
'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard
for SARA Title III Sections Yes No Fire Hazard
311/312 as indicated: Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

16. Other Information

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Hazard Rating System:

HEALTH	2
FLAMMABILITY	1
PHYSICAL	0
PPE	X

HMIS:

Additional Information About This Product: CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED
NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

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