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SAFETY DATA SHEET

503 Penetrating Primer Hardener Part B



HEALTH	2
FLAMMABILITY	1
PHYSICAL	0
PPE	X

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1. Product and Company Identification

Product Code: 503-RCB
Product Name: 503 Penetrating Primer Hardener Part B
Trade Name: 503 Penetrating Primer Hardener Part B
Manufacturer Information
Company Name: Key Resin Company
4050 Clough Woods Dr.
Batavia, OH 45103
Phone Number: +1 (513)943-4225
Emergency Contact: Chemtrec (USA) (800)424-9300
Alternate Emergency Contact: Chemtrec (International) +1 (703)527-3887
Intended Use: Industrial floor coatings.

2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
Serious Eye Damage/Eye Irritation, Category 1	Corrosive	Danger	Causes serious eye damage
Acute Toxicity: Oral, Category 4	Exclamation point	Warning	Harmful if swallowed

GHS Hazard Phrases

H318 - Causes serious eye damage.
H302 - Harmful if swallowed.
H315 - Causes skin irritation.

GHS Precaution Phrases

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

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.
P310 - Immediately call a POISON CENTER or doctor/physician.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 - Immediately call a POISON CENTER or doctor/physician.
P302+350 - IF ON SKIN: Gently wash with plenty of soap and water. P333+313 - If skin irritation or rash occurs, seek 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.

GHS Storage and Disposal Phrases

P501 - Dispose of contents/container to local, state, and federal authority requirements.

Potential Health Effects (Acute and Chronic)

Causes serious eye damage. May cause skin irritation.

Inhalation

May cause respiratory irritation.

Skin Contact

May cause skin irritation or burns.

Eye Contact

Causes serious eye damage.

Ingestion

Harmful if swallowed.

Medical Conditions Generally Aggravated By Exposure

Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Mannich Base Adduct	NA	>=40 %

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 20 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. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side. Get medical advice/attention.

Signs and Symptoms Of Exposure

May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

5. Fire Fighting Measures

Flash Pt: > 200.00 F Method Used: Not Applicable

Explosive Limits: LEL: NE UEL: NE

Autoignition Pt: No data available.

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 is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat. Some of these materials may burn, but none ignite readily.

Hazardous Combustion Products

In a fire, product may produce the following: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Ammonia. Fire may produce irritating, corrosive and/or toxic gases.

Suitable Extinguishing Media

Use water spray, foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

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.

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.

7. Handling and Storage

Hazard Label Information:

Avoid contact with skin and eyes. Do not get on skin and clothing. Keep from freezing. Store in a closed container.

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

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. Mannich Base Adduct		NA No data.	No data.	No data.

Protective Equipment Summary - Hazard Label Information:

Neoprene gloves Safety glasses, or goggles. Impervious clothing.

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

Melting Point: No data.

Boiling Point: NE

Autoignition Pt: No data.

Flash Pt: > 200.00 F Method Used: Not Applicable

Explosive Limits: LEL: NE UEL: NE

Specific Gravity (Water = 1): ~ 1.08

Density: ~ 9.01

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.

Percent Volatile: ~ 50 % by volume.

VOC / Volume: NE

HAP / Volume: NE

Saturated Vapor Concentration: NE

Appearance and Odor
 Milky. amine-like.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Reactivity
 Strong oxidizing agents. acids.

Conditions To Avoid - Instability
 None known.

Incompatibility - Materials To Avoid
 Strong oxidizing agents, acids.

Hazardous Decomposition Or Byproducts
 Carbon monoxide, Carbon dioxide, Nitrogen oxides, Ammonia.

Possibility of Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions
 Will not undergo hazardous polymerization in normal storage conditions.

11. Toxicological Information

Toxicological Information
 May cause sensitization by skin contact.

Irritation or Corrosion
 May cause skin, eye irritation/burns. May cause respiratory irritation.

Symptoms related to Toxicological Characteristics
 May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Mannich Base Adduct	NA	n.a.	n.a.	n.a.	n.a.

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.

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name Not Regulated.

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name Not Regulated.

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Mannich Base Adduct	NA	No	No	No	No

Regulatory Information

SARA Section 311/312: Acute Health Hazard.

16. Other Information

CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

Company Policy or Disclaimer

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