

SAFETY DATA SHEET

MATCH PATCH / PART B

Match Patch Pro Fast Cure Resin "B"

Revised September 13, 2018

1. PRODUCT & COMPANY IDENTIFICATION

Recommended use of the chemical and restriction on use

Recommended use: Polyurethane component industrial chemicals

Suitable for use in industrial sector: Polymers industry; chemical industry

Company

The Concrete Protector
1101 Lincoln Ave.
Wapakoneta, OH, 45895

Phone: 877-743-9732
www.matchpatchpro.com
www.theconcreteprotector.com

Emergency Telephone Number: Call CHEMTREC Day or Night, Within USA or Canada 1-800-424-9300

Outside USA or Canada: Call 1-703-527-3887 (collect calls accepted)

Use only for hazardous materials (or dangerous goods) incident - spill, leak, fire, exposure, or accident.

Chemical Family: Resin

Synonyms: Urethane System Resin Component

2. HAZARD IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Asp. Tox.	1	Aspiration hazard
Flam. Liq.	4	Flammable liquids
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic

Label elements

Pictogram:



Signal Word:

Danger

Hazard Statement:

H227	Combustible liquid.
H319	Causes serious eye irritation.
H304	May be fatal if swallowed and enters airways.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves and eye/face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P264	Wash with plenty of water and soap thoroughly after handling.

Revision Date: 09-13-18

Product: Match Patch Pro Fast Cure Resin "B"

SDS 134.16

Page 1 of 8

SAFETY DATA SHEET

MATCH PATCH / PART B

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.
P370 + P378	In case of fire: Use water spray, dry powder, carbon dioxide, or foam to extinguish.

Precautionary Statements (Storage):

P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

WARNING:
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

3. COMPOSITION / INFORMATION ON INGREDIENTS

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
102-60-3	>= 20.0 - < 25.0 %	Tetrahydroxypropylethylenediamine
1305-78-8	>= 0.0 - < 0.2 %	calcium oxide
6846-50-0	>= 15.0 - < 20.0 %	Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(1-methylethyl)-1,3- propanediyl ester
64742-96-7	>= 0.0 - < 15.0 %	Solvent naphtha (petroleum), heavy aliph.
64742-47-8	>= 0.0 - < 15.0 %	Distillates (petroleum), hydrotreated light

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
102-60-3	< 25.0 %	Tetrahydroxypropylethylenediamine
6846-50-0	< 20.0 %	Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(1-methylethyl)-1,3- propanediyl ester
64742-47-8	< 15.0 %	Distillates (petroleum), hydrotreated light
64742-96-7	< 15.0 %	Solvent naphtha (petroleum), heavy aliph.
1305-78-8	< 1.0 %	calcium oxide

4. FIRST AID MEASURES

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place

Revision Date: 09-13-18

Product: Match Patch Pro Fast Cure Resin "B"

SDS 134.16

Page 2 of 8

SAFETY DATA SHEET

MATCH PATCH / PART B

and transport in stable sideways positions (recover position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

If on skin:

Immediately wash thoroughly with soap and water, see medical attention.

If in eyes:

Wash affected areas for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth and then drink 200 – 300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No hazards anticipated.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, carbon dioxide, foam

Special hazards arising from the substance or mixture:

Hazards during fire-fighting:
No particular hazards known.

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Environmental precautions

Do not empty into drains. Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

Spills should be contained, solidified, and placed in suitable containers for disposal.

7. HANDLING & STORAGE

Precautions for safe handling

Ensure thorough ventilation of stores and work areas. Protect against moisture.

Revision Date: 09-13-18

Product: Match Patch Pro Fast Cure Resin "B"

SDS 134.16

Page 3 of 8

SAFETY DATA SHEET

MATCH PATCH / PART B

Protection against fire and explosion:

No explosion proofing necessary.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

Suitable materials for containers: carbon steel (iron), High density polyethylene (HDPE), Low density polyethylene (LDPE),
Stainless steel 1.4301 (V2)

Further information on storage conditions: No special precautions necessary. Avoid extreme heat. Store protected against freezing.

Storage stability:

Storage temperature: 60 - 80°F (16 - 27 °C)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with occupational exposure limits

calcium oxide	OSHA PEL ACGIH TLV	PEL 5 mg/m ³ ; TWA value 5 mg/m ³ ; TWA value 2 mg/m ³ ;
Distillates (petroleum), hydrotreated light	ACGIH TLV	TWA value 200 mg/m ³ Non-aerosol (total hydrocarbon vapor); Application restricted to conditions in which there are negligible aerosol exposures. Skin Designation Non-aerosol (total hydrocarbon vapor); The substance can be absorbed through the skin. TWA value 200 mg/m ³ Non-aerosol (total hydrocarbon vapor); Application restricted to conditions in which there are negligible aerosol exposures. Skin Designation Non-aerosol (total hydrocarbon vapor); The substance can be absorbed through the skin.

Advice on system design:

Provide local exhaust ventilation to control vapors/mists.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator as needed.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

Body protection:

Standard work clothes and shoes.

General safety and hygiene measures:

Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapors/mists. Wash soiled clothing immediately.

9. PHYSICAL & CHEMICAL PROPERTIES

Revision Date: 09-13-18

Product: Match Patch Pro Fast Cure Resin "B"

SDS 134.16

Page 4 of 8

SAFETY DATA SHEET

MATCH PATCH / PART B

Form:	liquid
Odor:	slight odor
Odor threshold:	not applicable
Color:	amber
pH value:	7.0
Freezing point:	32°F (0.00 °C)
Boiling point:	392°F (200.00 °C)
Sublimation point:	No applicable information provided
Flash point:	>141.8°F (>61.00°C) (closed cup)
Flammability:	Flammable liquid
Lower explosion limit:	For liquids not relevant for classification and labeling. The lower explosion point may be 41 - 59°F (5 - 15°C) below the flash point.
Upper explosion limit:	For liquids not relevant for classification and labeling.
Autoignition:	>482°F (>250.00° C)
Vapor pressure:	0.52 mmHg 68°F (20.00 °C)
Density:	8.3100 lb/USg 77°F (25.00 °C)
Relative density:	no applicable information available.
Vapor density:	not applicable
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Self-ignition temperature:	Not self-igniting.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	400.000 mPa.s (cps) 77°F (25.00 °C)
Viscosity, kinematic:	no applicable information available
Solubility in water:	Slightly soluble.
Solubility in other solvents:	no applicable information available
Solubility (qualitative):	no applicable information available
Evaporation rate:	Value can be approximated from Henry's Law vapor pressure.
Constant or	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

10. STABILITY & REACTIVITY

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Not an oxidizer.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated

Conditions to avoid

Temperature: <32 degrees Fahrenheit (<0 degrees Celsius)

Incompatible materials

Acids, oxidizing agents, isocyanates

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide

SAFETY DATA SHEET

MATCH PATCH / PART B

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: No known acute effects.

Oral

No applicable information available.

Inhalation

No applicable information available.

Dermal

No applicable information available.

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Origin of data: expert judgement

Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation.

Sensitization

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect. No applicable information available.

Aspiration Hazard

May also damage the lung at swallowing (aspiration hazard).

Chronic toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects. Repeated inhalative uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects.

Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Teratogenicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

SAFETY DATA SHEET

MATCH PATCH / PART B

Other Information

The product has not been tested. The statement has been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical conditions aggravated by overexposure

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

Persistence and degradability

Assessment biodegradation and elimination (H₂O) Poorly biodegradable.

Elimination information

Poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential

Does not significantly accumulate in organisms.

Mobility in soil

Assessment transport between environmental compartments Adsorption to solid soil phase is not expected.

Additional information

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Other ecotoxicological advice:

The product has not been tested. Do not discharge product into the environment without control.

13. DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition

Revision Date: 09-13-18

Product: Match Patch Pro Fast Cure Resin "B"

SDS 134.16

Page 7 of 8

SAFETY DATA SHEET

MATCH PATCH / PART B

products may be liberated. Do not reuse empty containers.

14. TRANSPORTATION INFORMATION

Land Transport:

USDOT

Classified as combustible liquid in containers greater than 119 gallons.

Sea Transport:

IMDG

Not classified as dangerous goods under transport regulations.

Air Transport:

IATA/ICAO

Not classified as dangerous goods under transport regulations.

15. REGULATORY INFORMATION

Federal Regulations**Registration status:**

Chemical

TSCA, US

released / listed

EPCRA 311/312 (Hazard categories):

Acute; Fire

State regulations**State RTK**MA, NJ, PA
MA, NJ, PA**CAS Number**64742-47-8
1305-78-8**Chemical name**Distillates (petroleum), hydrotreated light
calcium oxide**CA Prop. 65:**

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

NFPA Hazard codes:

Health : 2

Fire: 2

Reactivity: 1

Special:

HMIS III rating

Health: 2

Flammability: 2

Physical hazard: 1

16. OTHER INFORMATION

SDS Prepared by: Technical Services

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END OF DATA SHEET

Revision Date: 09-13-18

Product: Match Patch Pro Fast Cure Resin "B"

SDS 134.16

Page 8 of 8