

1. IDENTIFICATION

Product identifier

Product Name Epoxy Patch Additive

Other means of identification

Part Number(s) 4064PA

Recommended use of the chemical and restrictions on use

Recommended use Rheological additive for epoxy-based concrete patch material; for professional use only

Uses advised against Not intended for consumer use

Details of the supplier of the safety data sheet

Manufacturer Address

Ultra Durable Technologies
 355 6th Ave. N
 Waite Park, MN 56387
 320-258-2266
 Ultradt.com

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage/eye irritation	Category 1
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Signal Word Danger

Hazard statements

Causes serious eye damage.

Precautionary Statements - Prevention

Wear eye and face protection.

Precautionary Statements - Response

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Precautionary Statements - Storage

Precautionary Statements - Disposal

Hazards not otherwise classified

- Product may be irritating to skin. Remove contaminated clothing. Brush off loose particles and rinse exposed skin thoroughly.
- This product may generate dust during handling and use.
- This product may contain quartz (crystalline silica) up to <1%.
- IARC and NTP have determined that crystalline silica inhaled from occupational sources can cause cancer in humans.

- Risk of injury is dependent on the duration and level of exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS #	Weight %
C14-18 alkyl benzyl dimethyl ammonium chloride	68390-98-7	1 - 30

Trade Secret statement (OSHA 1910.1200(i)) Specific chemical identities and concentrations for one or more listed chemicals are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention. If irritation persists, seek medical advice.

Skin Contact

Brush off bulk of dry particles. Remove contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation or rash develop.

Inhalation

Remove victim to fresh air and keep comfortable for breathing. If necessary, use artificial respiration to support vital functions. Seek medical attention if irritation persists.

Ingestion

Rinse mouth with water. If product is swallowed, do NOT induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice.

Most important symptoms and effects, both acute and delayed

May cause eye irritation, leading to severe eye damage.

May cause skin irritation.

May cause lung/respiratory irritation. Repeated, prolonged exposure may cause chronic lung disease (silicosis) or lung cancer.

Immediate medical attention and special treatment, if necessary

Flush eyes.

Note to physicians

Treat symptomatically.

Respiratory symptoms should be monitored as repeated, prolonged exposure may lead to chronic silicosis or lung cancer.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray. Carbon dioxide. Dry powder. Foam.

Unsuitable extinguishing media

No information available.

Specific hazards arising from the chemical

Hazardous decomposition products include toxic fumes and oxides of carbon.

Protective equipment and precautions for firefighters

Evacuate area. Eliminate all ignition sources if safe to do so. Exercise caution when fighting any chemical fire. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene.

Avoid dust formation. Avoid breathing dust and contact with eyes. Use respiratory protection if in high dust conditions.

No open flames, no sparks, and no smoking.

Environmental precautions

Avoid release to the environment. Do not allow product to enter drains, sewers, public water, surface water, or groundwater. If contact is made, notify authorities.

Methods and material for containment and cleaning up

Use personal protective equipment as required – respiratory protection and eye protection. Stop flow of material if able to do so safely. Contain discharged material. Sweep up or vacuum into appropriate disposal container. If appropriate, use gentle water spray to wet down. Ventilate area. Wash spill site with detergent-water mix and allow to air-dry.

7. HANDLING AND STORAGE**Precautions for safe handling**

Wear appropriate personal protective equipment – gloves, safety glasses, appropriate respiratory protection appropriate clothing. Wash hands thoroughly after use. Practice good industrial hygiene when using product. Ensure good ventilation of the workstation. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Avoid contact with skin and eyes. Avoid breathing dust. Contaminated clothing should not be allowed out of the workplace. Wash before reuse or discard.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Store in a cool, dry, well-ventilated place. Store away from direct sunlight. Store locked up. Keep container tightly closed when not in use.

Incompatible materials

No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls**

The use of local exhaust ventilation is recommended. Eyewash stations, chemical showers recommended.

Exposure Guidelines

Chemical Name	STEL	ACGIH TWA	OSHA TWA
C14-18 alkyl benzyl dimethyl ammonium chloride	Not established	10 mg/m ³	15 mg/m ³

Individual protection measures, such as personal protective equipment

Eye/face protection Protective eyewear (goggles or safety glasses).

Skin and body protection Gloves. Protective clothing.

Respiratory protection If adequate ventilation is not available, wear appropriate respirator for specific circumstances and with exposure guidelines in mind.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid powder
Color	Light cream
Odor	Slight isopropanol-like and amine-like
Melting point	1550 °C/ 2822 °F
Boiling point	No information
Flammability	No information
Upper flammability limit	No information
Lower flammability limit	No information
Flash point	Not applicable
Autoignition Temperature	No information
Decomposition temperature	No information
pH	No information
Dynamic Viscosity	No information
Kinematic Viscosity	No information
Solubility	No information
Partition coefficient n-octanol/water (Log Pow)	No information
Vapor pressure	No information

Density
Relative Density

No information
2.1

10. STABILITY AND REACTIVITY

Reactivity

This product is non-reactive under normal conditions of use, storage, and transport.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal conditions.

Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Do not store in direct sunlight.
Avoid generation of dust. Wear appropriate respiratory protection if possibility of dust hazard.

Incompatible materials

No information available.

Hazardous decomposition products

Thermal decomposition products include oxides of carbon and possible harmful vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Inhalation of dust
Eye contact	Physical contact with dust
Skin contact	Physical contact with skin
Ingestion	Dust

Symptoms related to the physical, chemical, and toxicological characteristics

No information available.

Delayed and immediate effects, including chronic effects from short- and long-term exposure

No information available.

Numerical Values of Toxicity – Component Information

Chemical name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
C14-18 alkyl benzyl dimethyl ammonium chloride	> 2,000 mg/kg	> 2,000 mg/kg	--

Skin Corrosion/Irritation	Not classified, but may cause mild skin irritation
Serious Eye Damage/Irritation	May cause eye irritation leading to damage to cornea
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified, but prolonged exposure may lead to lung cancer
Reproductive Toxicity	Not classified
STOT – Single Exposure	Not classified
STOT – Repeated Exposure	Not classified, but repeated or prolonged exposure may lead to silicosis
Aspiration Hazard	Not classified

Numerical measures of Toxicity – Product Information

The following values are calculated based on Chapter 3.1 of the GHS document.

Chemical name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Epoxy Patch Additive	> 2,000 mg/kg	> 2,000 mg/kg	--

Acute Toxicity (oral)	Not classified
Acute Toxicity (dermal)	Not classified
Acute Toxicity (inhalation)	Not classified

Interactive effects

Pre-existing skin conditions may be aggravated.
Pre-existing lung conditions may be aggravated. Repeated or prolonged exposure may cause chronic lung disease (silicosis) or lung cancer.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not considered harmful to aquatic organisms with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
C14-18 alkyl benzyl dimethyl ammonium chloride	LC ₅₀ = 1.3 mg/L (72h, algae)	LC ₅₀ = 18 mg/L (96h, fish)	EC ₅₀ = 5.4 mg/L (48h, Daphnia)

Chemical name	Algae/aquatic plants	Fish	Crustacea
Epoxy Patch Additive	--	--	--

Persistence and degradability

Easily biodegradable.

Bioaccumulation Potential

Chemical Name	Partition Coefficient n-octanol/water (Log Pow)
C14-18 alkyl benzyl dimethyl ammonium chloride	Not established

Assessment

Significant accumulation not expected

Mobility in Soil

No information available

Other adverse effects

Elimination information

No information available

Water hydrolysis

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Disposal of contents and container should be in accordance with applicable regional, national, and local laws and regulations. Do not discharge product into sewer system.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION

UN Number	Not applicable
UN Proper Shipping Name	Not applicable
Transport Hazard Class(es)	
DOT	Not applicable
IMDG	Not applicable
IATA	Not applicable
Packing Group	
DOT	Not applicable
IMDG	Not applicable
IATA	Not applicable
Environmental Hazards	Not applicable
Special Instructions for User	None

NOTE Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100-177, IMDG, IATA, EC, Canadian TDG, and United Nations TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

15. REGULATORY INFORMATION

Chemical Inventories**TSCA**

All components of this product are listed on the TSCA Inventory or are exempted from listing.

US Federal Regulations**SARA 313**

Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
Carcinogenicity	No
Respiratory or Skin Sensitization	No
Germ Cell Mutagenicity	No
Serious Eye Damage/Irritation	Yes

US State Regulations

California Proposition 65 – This product does not contain substances suspected by the State of California to cause cancer, developmental, and/or reproductive harm.

International Regulations**TECI**

Alkyl (C12-18) dimethylbenzyl ammonium chlorides

(Thailand Existing Chemicals Inventory)

State Right to Know – Massachusetts, New Jersey, Pennsylvania

NFPA Hazard codes

Health	1
Fire	1
Reactivity	0

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Revision Date 09-September-2025
 Revision Note General formatting updates; Updated sections 1, 3, 4, 5, 6, 8, 9, 11, 12, 14, and 15.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet