



SAFETY DATA SHEET

Section 1 - Chemical Product and Company Information

Product Name: Ultra-Repair Putty

Recommend Use(s): Ultra-Repair Putty epoxy sticks are used to make emergency patches and repairs of a wide variety of materials.

Emergency 24-hour Phone (English): 1-800-424-9300 / 703-527-3887

Company Information: UltraTech International, Inc.
11542 Davis Creek Court
Jacksonville, Florida 32256 USA

e-mail: info@spillcontainment.com
Web: www.spillcontainment.com
Telephone: 800.353.1611 • 904.292.1611 (M-W; 8:00 a.m. - 5:00 p.m. EDT)
Fax: 904.292.1325

Section 2 - Hazards Identification

Warning! Irritant: Product contains chemicals known to cause skin and eye irritation and may cause sensitization by skin contact.

HS Classification: Skin corrosion/irritation, Category 2
Serious eye damage/irritation, Category 2
Skin sensitisation, Category 1
Acute aquatic toxicity, Category 3

Signal Word: H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H412 Harmful to aquatic life with long lasting effects

Precautionary Statements: P264 Wash hands (skin) thoroughly after handling
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/ face protection
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 IF ON SKIN: Take off contaminated clothing.
Wash contaminated clothing before reuse.
P332 + P313 IF SKIN irritation occurs: Get medical advice/attention
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 IF eye irritation persists: Get medical advice/attention
P501 Dispose of contents and container in accordance with all local, regional, national and international regulations

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Section 3 - Composition/Information on Ingredients

Substances

Chemical Name	CAS number	%
Talc	14807-96-6	30-40%
Bisphenol-A-epichlorhydrin, epoxy resin OR Diglycidyl ether of bisphenol A	25068-38-6 25036-25-3	10-30%
2, 4, 6-Tri (dimethylaminomethyl) phenol	90-72-2	1-5%
Silica, crystalline quartz	14808-60-7	0.1-1.0%

Non-hazardous ingredients meeting the Pennsylvania, Massachusetts and New Jersey Right-To-Know requirements:

Polyether polymercaptan	Trade secret
Sodium calcium magnesium silicate	65997-17-3

Section 4 - First Aid Measures

- Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eye lids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin Contact:** Flush contaminated skin with plenty of soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing and shoes before reuse.

Section 5 - Fire Fighting Measures

- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.
- Special Fire Fighting Procedures:** Do not breathe fumes. Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, halogenated compounds, metal oxide/oxides.
- Unusual Hazards:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains.



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Section 6 - Accidental Release Measures

Spill or Leak Procedures: Wear appropriate personal protective equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place into a designated, labeled waste container. Product should not be released into the environment. Prevent entry into sewers, water courses, basements or confined areas. Dispose of via a licensed waste disposal contractor.

Section 7 - Handling & Storage

Handling Precautions: Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Wear impervious gloves when mixing or handling uncured product. Do not ingest. Avoid contact with eyes, skin and clothing. If sanding cured putty or substrates, wear eye protection and dust mask. For prolonged exposure to sanding dust, wear a half face respirator with dust filters. Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Wash contaminated goggles, faceshield and gloves. Professionally launder contaminated clothing before re-use.

Storage Precautions: Store in original container protected from direct sunlight in a cool, dry, well ventilated area < 95°F (35°C). Shelf Life: ~2 years (in original tube with cap on)

General: The container can be hazardous when empty. Follow label cautions even after the container is empty. Do not re-use empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

Section 8 - Exposure Controls/Personal Protection

Engineering Controls: Good general ventilation should be sufficient. Use local exhaust or other engineering controls to keep concentrations below PEL/TLV, or during prolonged sanding operations.

PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Respirator: None required unless sanding or abrading.

Gloves: Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.

Other: Ensure that eyewash stations and safety showers are close to the workstation location.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): EXPOSURE LIMITS 8 hrs. TWA (ppm)

Chemical Name	Type	Value
Talc	20 mppcf*	2 mg/m ³ *
Silica, crystalline quartz respirable dust	<u>10 mg/m³</u> %SiO ₂ +2	0.025 mg/m ³

*Respirable dust for talc containing no asbestos.

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Section 9 - Physical & Chemical Properties

Appearance:	Putty, gray color after cure.
Odor:	Sulfurous.
Odor Threshold:	Not applicable.
pH:	Not applicable.
Melting Point/Freezing Point:	Not applicable.
Initial Boiling Point and Range:	Decomposition temperature: >302°F (>150°C)
Flash Point:	>200°F (>93°C)
Method:	Setaflash CC.
Evaporation Rate:	Not available.
Flammability Limits:	Not available.
Conditions of Flammability:	Not available.
Explosive Properties:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density (H ₂ O = 1):	1.95
Solubility in Water:	Insoluble in cold and hot water.
Auto-ignition Temperature:	Not available.
Coefficient of Water/Oil Distribution:	Not available.

Section 10 - Stability & Reactivity

General:	This is a stable material.
Conditions of Reactivity:	Under normal conditions of storage and use, hazardous reactions will not occur.
Incompatible Materials and Conditions to Avoid:	Temperatures above 95°F (35°C). Oxidizing agents, acids and bases, amines. For compatibility guide, call 1-800-468-4647.
Hazardous Decomposition:	Nitrogen oxides. Combustion produces oxides of carbon including highly poisonous carbon monoxide. Sulphur oxides.
Hazardous Polymerization:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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Section 11 - Toxicological Information

ACGIH, A2 - Crystalline silica is a suspected human carcinogen

Target Organs: No specific data

POTENCIAL HEALTH EFFECTS:

Eye Contact: Causes serious eye irritation. Symptoms may include pain or irritation, watering, redness.

Ingestion: Irritating to mouth, throat and stomach.

Inhalation: Dusts released from sanding hardened putty may cause irritation to the respiratory tract. Exposure to decomposition products may cause a health hazard. Serous effects may be delayed following exposure.

Skin Contact: Causes skin irritation. Symptoms may include irritation, redness.

LD50: Not available for mixture.

LC50: Not applicable for mixture.

Carcinogenicity: Dusts Silica, crystalline quartz:
IARC: Category 1
National Toxicology Program: Quartz 14808-60-7
OSHA: See Section 15
California Prop 65: Silica, crystalline (non-respirable). Talc, not containing asbestiform fibers.

Reproduction Toxicity: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic Products: Not available.

Diglycidyl ether of bisphenol A: Ingestion: The oral LD50 for rats is 11.4 g/kg.
Skin: Severe irritant, Rabbit: 24 hours 2 Milligrams

2,4,6-Tri (dimethylaminomethyl) phenol: Ingestion: The oral LD50 for rats is 1200 mg/kg.
Skin: The dermal LD50 for rats is 1280 mg/kg.
Skin: Severe irritant, Rat: 0.25 Milliliters



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Section 12 - Ecological Information

Mobility:	Water contaminating.
Persistence and degradability:	Not inherently biodegradable
Bioaccumulative potential:	Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.
Ozone depletion potential:	No ozone depleting chemicals are present or used in manufacture.
Toxicity:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 13 - Disposal Considerations

Waste Disposal Method:	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contactor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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Section 14 - Transport Information

DOT (Department of Transportation):	
Proper Shipping Name:	Putty, NMFC 150110.
Hazard Class:	Not regulated.
Identification Number:	Not applicable.



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Section 15 - Regulatory Information

CERCLA (Comprehensive Environmental Response Compensation and Liability Act): No Reportable Quantity

OSHA Hazard Communication Standard, 29 CFR 1910.1200: Crystalline silica, talc (no asbestos fibers).

SARA Title III (Superfund Amendments and Reauthorization Act):

Crystalline silica non-respirable, Bisphenol-A-epichlorhydrin epoxy resin, 2,4,6-Tri (dimethylaminomethyl) phenol. This product contains zinc compounds which are subject to the reporting requirements of section 313. They constitute approximately 1-5% of the putty.

TSCA (Toxic Substances Control Act): Ingredients of this product are on the Inventory list.

STATE REGULATIONS:

Massachusetts: Mineral wool fiber; Soapstone

New Jersey: Soapstone; Silica, quartz; Quartz (SiO₂); Zinc compounds.

Pennsylvania: Soapstone dust; quartz (SiO₂); Zinc compounds

Section 16 - Other Information

National Fire Protection Association (NFPA) Hazard Ratings

none → extreme

0 → 4

Health- 2

Flammability- 1

Reactivity- 0

PPE- B

WHMIS Classification: D2B

Reason for Issue: Reviewed, changes to Sections 2, 4, 6, 7 & 16.

Prepared by: Dale Gatehouse, Entreprises Krenda Inc.

Approved by: Mathew Clancy, UltraTech International, Inc.

Previous Date of Issue: 02/24/2015

Revised Date: 02/13/2015

SDS Number: MSD-001

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