

MEECO'S RED DEVIL

Brushable Crown Repair

Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : Brushable Crown Repair

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Repairing Chimney Crowns

1.3. Details of the supplier of the safety data sheet

MEECO MFG CO INC
9100 15TH PL S, STE E
SEATTLE, WA 98108

1.4. Emergency telephone number

: 1 (800) 426-9393

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Carc. 1A H350

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H350 - May cause cancer

Precautionary statements (GHS-US) :

P280 - Wear protective clothing, protective gloves
P405 - Store away from children
P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

Other hazards which do not result in classification

: Spills may cause collapse or fall. Roof safety and fall protection guidelines are recommended.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	GHS-US classification
hydroxyethylcellulose	(CAS No) 9004-62-0	0.1 - 0.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Quartz (SiO ₂)	(CAS No) 14808-60-7	< 0.3	Acute Tox. 4 (Oral), H302 Carc. 1A, H350
Ammonium hydroxide	(CAS No) 1336-21-6	0.1 - 0.3	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Pentapotassium triphosphate	(CAS No) 13845-36-8	0.1 - 0.5	Acute Tox. 4 (Oral), H302

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Name	Product identifier	%	GHS-US classification
Benzophenone	(CAS No) 119-61-9	< 0.1	Carc. 2, H351

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: In all cases of doubt, or when symptoms persist, seek medical advice. Move the affected person away from the contaminated area and into the fresh air. Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention immediately.
First-aid measures after ingestion	: Rinse mouth. Obtain emergency medical attention. Do NOT induce vomiting unless directed to do so by a physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Overexposure may be irritating to the respiratory system.
Symptoms/injuries after inhalation	: May cause cancer by inhalation.
Symptoms/injuries after skin contact	: Frequent or prolonged contact with skin may cause dermal irritation, redness or dry skin.
Symptoms/injuries after eye contact	: Direct contact may result in corneal injury. may cause physical irritation upon direct contact.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use media as appropriate for surrounding material . Foam. Dry powder. Carbon dioxide. Water fog. Water spray.
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5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters	: In case of fire: Wear self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NOx). Elevated temperatures may cause toxic metal oxides to be formed.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid skin and eye contact. Avoid dust formation.
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6.1.1. For non-emergency personnel

Protective equipment	: Use personal protective equipment as required. Use suitable eye protection and gloves. For further information refer to section 8 : Exposure-controls/personal protection.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Scrape up liquid coating with cardboard or rag and place in a closed container. Store away from other materials. Dispose of contents/container to comply with applicable local, national and international regulations. On land, sweep or shovel into suitable containers. Avoid raising powdered materials into airborne dust. Prevent dust accumulation (to minimize explosion hazard). Wear personal protection equipment.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Spills may cause collapse or fall.

Precautions for safe handling : Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Outdoor use. Work in a well-ventilated area. Wear suitable gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising powdered materials into airborne dust. avoid breathing dust. Roof safety and fall protection guidelines are recommended.

Hygiene measures : Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Use good personal hygiene practices. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing prior to re-use.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : A washing facility/water for eye and skin cleaning purposes should be present. Use only in well-ventilated areas.

Storage conditions : Keep locked up and out of reach of children. Keep only in the original container in a cool well ventilated place. Store away from freezing (avoid freezing during storage). Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep container closed when not in use.

Incompatible materials : Strong acids, bases. Oxidizing agents. chlorine-based bleaching agents.

Storage area : Store in dry, cool, well-ventilated area.

Special rules on packaging : Correctly labelled.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use only in well-ventilated areas.

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Avoid all unnecessary exposure. The following pictograms represent the minimum requirements for personal protective equipment.



Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid discharge to the environment.

Other information : Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid. Thick paste.
Color	: Light grey.
Odor	: Faint odor of ammonia.
Odor threshold	: No data available
pH	: 7.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: < 0 °C (32 °F)
Boiling point	: > 100 °C (212 °F)
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.22 g/cm ³ (10.2 lb/gal)
Solubility	: Water: Soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at normal temperatures and pressures.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers. Strong acids. Strong bases. chlorine-based bleaching agents.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, SiO₂. Toxic metal oxide smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Ammonium hydroxide (1336-21-6)

LD50 oral rat	350 mg/kg
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Ammonium hydroxide (1336-21-6)	
ATE (oral)	350.000 mg/kg bodyweight

Benzophenone (119-61-9)	
LD50 oral rat	> 10 g/kg
LD50 dermal rabbit	3535 mg/kg
ATE (dermal)	3535.000 mg/kg bodyweight

Quartz (SiO2) (14808-60-7)	
LD50 oral rat	500 mg/kg
ATE (oral)	500.000 mg/kg

Pentapotassium triphosphate (13845-36-8)	
LD50 oral rat	2000 mg/kg
ATE (oral)	2000.000 mg/kg bodyweight

Skin corrosion/irritation : Not classified
pH: 7.5

Serious eye damage/irritation : Not classified
pH: 7.5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : May cause cancer.

Benzophenone (119-61-9)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	1 - Evidence of Carcinogenicity

Quartz (SiO2) (14808-60-7)	
IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	2 - Known Human Carcinogens

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause cancer by inhalation.

Symptoms/injuries after skin contact : Frequent or prolonged contact with skin may cause dermal irritation, redness or dry skin.

Symptoms/injuries after eye contact : Direct contact may result in corneal injury. may cause physical irritation upon direct contact.

SECTION 12: Ecological information

12.1. Toxicity

Ammonium hydroxide (1336-21-6)	
LC50 fishes 1	8.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	0.66 mg/l (Exposure time: 48 h - Species: water flea)
EC50 Daphnia 2	0.66 mg/l (Exposure time: 48 h - Species: Daphnia pulex)

Benzophenone (119-61-9)	
LC50 fishes 1	13.2 – 15.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

12.2. Persistence and degradability

CrownCoat Brushable Sealant	
Persistence and degradability	Not established.

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12.3. Bioaccumulative potential

CrownCoat Brushable Sealant	
Bioaccumulative potential	Not established.

Benzophenone (119-61-9)	
BCF fish 1	3.4 – 9.2
Log Pow	3.58

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Do not re-use empty containers. It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

No dangerous good in sense of transport regulations

Additional information

Other information : No supplementary information available.

ADR

Transport document description : No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Ammonium hydroxide (1336-21-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Benzophenone (119-61-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

Quartz (SiO2) (14808-60-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

hydroxyethylcellulose (9004-62-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Pentapotassium triphosphate (13845-36-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. International regulations

CANADA

Ammonium hydroxide (1336-21-6)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class E - Corrosive Material

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Benzophenone (119-61-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Quartz (SiO₂) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

hydroxyethylcellulose (9004-62-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification Uncontrolled product according to WHMIS classification criteria

Pentapotassium triphosphate (13845-36-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

Ammonium hydroxide (1336-21-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Benzophenone (119-61-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Quartz (SiO₂) (14808-60-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Pentapotassium triphosphate (13845-36-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No information available

Classification according to Directive 67/548/EEC or 1999/45/EC

No information available

15.2.2. National regulations

Ammonium hydroxide (1336-21-6)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Poisonous and Deleterious Substances Control Law
Listed on the Canadian Ingredient Disclosure List

Benzophenone (119-61-9)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Pollutant Release and Transfer Register Law (PRTR Law)

Quartz (SiO₂) (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on the Canadian Ingredient Disclosure List

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hydroxyethylcellulose (9004-62-0)

Listed on the AICS (the Australian Inventory of Chemical Substances)
 Listed on Inventory of Existing Chemical Substances (IECSC)
 Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
 Listed on the Korean ECL (Existing Chemical List) inventory.
 Listed on New Zealand - Inventory of Chemicals (NZIoC)
 Listed on Inventory of Chemicals and Chemical Substances (PICCS)

Pentapotassium triphosphate (13845-36-8)

Listed on the AICS (the Australian Inventory of Chemical Substances)
 Listed on Inventory of Existing Chemical Substances (IECSC)
 Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
 Listed on the Korean ECL (Existing Chemical List) inventory.
 Listed on New Zealand - Inventory of Chemicals (NZIoC)
 Listed on Inventory of Chemicals and Chemical Substances (PICCS)

15.3. US State regulations

Benzophenone (119-61-9)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes				

Quartz (SiO2) (14808-60-7)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes				

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 1A	Carcinogenicity, Category 1A
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H350	May cause cancer
H351	Suspected of causing cancer

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product