Unisorb Concrete Repair Compound (UCRC)

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Unisorb Concrete Repair Compound (UCRC)

Chemical name
Contains Portland cement, Quartz

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

Recommended Use For industrial use only.

Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Supplier Name Unisorb Installation Solutions

Supplier Address 4117 Felters Road
Michigan Center, MI 49254 USA

Supplier Phone Number Phone: 888-486-4767

Supplier Website www.unisorb.com

For further information, please contact.

1.4. Emergency telephone number

Emergency telephone ChemTel Inc.
(800) 255-3924, +1 (813) 248-0585

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Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)

2.2. Label elements

Contains Portland cement, Quartz

Signal word **Danger**

Hazard Statements
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary Statements - EU (§28, 1272/2008)
P280 - Wear eye protection/ face protection
P321 - Specific treatment (see supplemental first aid instructions on this label)
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P314 - Get medical advice/attention if you feel unwell
P501 - Dispose of contents/container to industrial incineration plant

Additional information
This product requires tactile warnings if supplied to the general public
This product requires child resistant fastenings if supplied to the general public

2.3. Other hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

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3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Quartz	238-878-4	14808-60-7	56	STOT RE 1 (H372)	No data available
Portland cement	266-043-4	65997-15-1	15	Skin Irrit. 2 (H315) Skin Sens.1 (H317) Eye Dam. 1 (H318) STOT SE3 (H335)	No data available
Calcium sulfate	231-900-3	7778-18-9	9	STOT SE 3 (H335)	No data available
Supplier Trade Secret	Listed	-	0 - 10%	STOT RE 1 (H372)	No data available
Kaolin	310-194-1	1332-58-7	1.5	No data available	No data available
Supplier Trade Secret	Listed	-	0 - 10%	Skin Sens. 1 (H317)	No data available

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Skin contact May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms Itching. Rashes. Hives. Burning sensation.

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

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

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Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical
Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous Combustion Products
Carbon oxides.

5.3. Advice for firefighters

Special protective equipment for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other Information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

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Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General Hygiene Considerations Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

7.3. Specific end use(s)

Identified uses
Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Quartz 14808-60-7	TWA 0.1 mg/m³ respirable fraction	STEL: 0.3 mg/m³ TWA: 0.1 mg/m³	TWA: 0.1 mg/m³	TWA: 0.05 mg/m³	-
Portland cement 65997-15-1	-	STEL: 30 mg/m³ STEL: 12 mg/m³ TWA: 10 mg/m³ TWA: 4 mg/m³	-	TWA: 4 mg/m³	-
Calcium sulfate 7778-18-9	-	-	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 6 mg/m³
Supplier Trade Secret	-	STEL: 2.4 mg/m³ STEL: 30 mg/m³ TWA: 0.8 mg/m³ TWA: 10 mg/m³	-	TWA: 3 mg/m³	-
Kaolin 1332-58-7	-	STEL: 6 mg/m³ TWA: 2 mg/m³	TWA: 10 mg/m³	TWA: 2 mg/m³	-
Supplier Trade Secret	-	STEL: 0.15 mg/m³ TWA: 0.05 mg/m³	TWA: 0.1 mg/m³	-	-

Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Quartz 14808-60-7	TWA: 0.1 mg/m³	TWA: 0.025 mg/m³	TWA: 0.075 mg/m³	TWA: 0.05 mg/m³	TWA: 0.3 mg/m³ TWA: 0.1 mg/m³
Portland cement 65997-15-1	-	TWA: 1 mg/m³	-	TWA: 5 mg/m³ TWA: 1 mg/m³	-

Calcium sulfate 7778-18-9	-	TWA: 10 mg/m³	-	-	-
Supplier Trade Secret	-	TWA: 3 mg/m³	-	-	-
Kaolin 1332-58-7	-	TWA: 2 mg/m³	-	TWA: 2 mg/m³	TWA: 2 mg/m³

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Quartz 14808-60-7	TWA: 0.05 mg/m³	TWA: 0.15 mg/m³	TWA: 0.1 mg/m³	TWA: 0.05 mg/m³ TWA: 0.1 mg/m³ TWA: 0.3 mg/m³ STEL: 0.9 mg/m³ STEL: 0.15 mg/m³ STEL: 0.3 mg/m³	TWA: 0.1 mg/m³ STEL: 0.3 mg/m³
Portland cement 65997-15-1	TWA: 5 mg/m³	TWA: 5 mg/m³	TWA: 6 mg/m³ TWA: 2 mg/m³	-	TWA: 1 mg/m³ STEL: 3 mg/m³
Calcium sulfate 7778-18-9	STEL 10 mg/m³ TWA: 5 mg/m³	TWA: 3 mg/m³	TWA: 10 mg/m³	-	TWA: 10 mg/m³ STEL: 30 mg/m³
Supplier Trade Secret	TWA: 10 mg/m³	TWA: 3 mg/m³	-	TWA: 6 mg/m³ TWA: 3 mg/m³ STEL: 12 mg/m³ STEL: 6 mg/m³	TWA: 3 mg/m³ STEL: 9 mg/m³
Kaolin 1332-58-7	-	TWA: 3 mg/m³	TWA: 10.0 mg/m³	-	TWA: 2 mg/m³
Supplier Trade Secret	-	-	-	-	TWA: 0.05 mg/m³ STEL: 0.15 mg/m³

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Quartz 14808-60-7	(-)	-	-	-	-

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear safety glasses with side-shields. None required for consumer use.

Hand Protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls No information available.

General Hygiene Considerations Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Powder(s) Solid
Appearance	Gray
Odor	Characteristic
Color	No information available
Odor Threshold	Not applicable

Property	Values	Remarks Method
pH	No data available	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water Solubility	Slightly soluble	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	N/A	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Remarks No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

10.4. Conditions to avoid

None known.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

10.5. Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). Irritating to eyes. May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components). May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

Numerical measures of toxicity

Acute toxicity

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Unknown acute toxicity

108.5 % of the mixture consists of ingredient(s) of unknown toxicity
108.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
108.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
108.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
108.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
108.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Product Information

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium sulfate	> 3000 mg/kg (Rat)	-	> 3.26 mg/L (Rat) 4 h
Kaolin	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Supplier Trade Secret	= 7600 mg/kg (Rat)	> 2500 mg/kg (Rabbit)	= 1.5 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Irritating to skin.

Serious eye damage/eye irritation Classification based on data available for ingredients. Irritating to eyes.

Respiratory or skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

H372 - Causes damage to the following organs through prolonged or repeated exposure: Respiratory system, Immune system, Kidneys.

Aspiration hazard No information available.

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Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Unknown aquatic toxicity 100.1 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Calcium sulfate	No data available	96h LC50: = 2980 mg/L (Lepomis macrochirus) 96h LC50: > 1970 mg/L (Pimephales promelas)	No data available	No data available
Supplier Trade Secret	72h EC50: = 400 mg/L (Desmodesmus subspicatus)	No data available	EC50 = 31.5 mg/L 30 min	48h EC50: 3.8 - 5.4 mg/L (Daphnia magna)

12.2. Persistence and degradability

Persistence and Degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Chemical name	Partition coefficient
Supplier Trade Secret	7.7

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Calcium sulfate	The substance is not PBT / vPvB PBT assessment does not apply
Supplier Trade Secret	The substance is not PBT / vPvB Further information relevant for the PBT assessment is necessary

12.6. Other adverse effects

Other adverse effects No information available.

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Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	No information available.

Section 14: TRANSPORT INFORMATION

IMDG/IMO	Not applicable
14.1 UN-No.	Not applicable
14.2 Proper Shipping Name	Not applicable
14.3 Hazard Class	N/A
14.4 Packing Group	Not applicable
14.5 Marine Pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID	Not applicable
14.1 UN-No.	Not applicable
14.2 Proper Shipping Name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

ADR	Not applicable
14.1 UN-No.	Not applicable
14.2 Proper Shipping Name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

IATA	Not applicable
14.1 UN-No.	Not applicable
14.2 Proper Shipping Name	NON REGULATED
14.3 Hazard Class	N/A
14.4 Packing Group	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

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Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

France
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Quartz 14808-60-7	RG 25	-
Portland cement 65997-15-1	RG 8,RG 10	-
Supplier Trade Secret	RG 25	-
Supplier Trade Secret	RG 65,RG 66	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

Authorizations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Portland cement - 65997-15-1	Use restricted. See item 47.	
Supplier Trade Secret -	Use restricted. See item 75.	

Persistent Organic Pollutants
Not applicable.

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable.

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

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Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available.

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H372 - Causes damage to organs through prolonged or repeated exposure if inhaled
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

Legend
SVHC: Substances of Very High Concern for Authorization:

Section 8: Exposure controls and personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	-	Skin designation

Classification procedure

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)

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Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
U.S. Environmental Protection Agency High Production Volume Chemicals
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

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This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.

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.

End of Safety Data Sheet