

**Safety Data Sheet**

According to OSHA Communication Standard, 29 CFR 1910.1200

**Rapid Set WunderFixx****SECTION 1: Identification****Product identifier****Product name:** Rapid Set WunderFixx**Product code:** 703010050, 703011900, 703020002, 703020009, 703040050, 703990002, 703990009**Recommended use of the product and restriction on use****Relevant identified uses:** Commercial use for cement applications**Uses advised against:** Not determined or not applicable.**Reasons why uses advised against:** Not determined or not applicable.**Manufacturer or supplier details****Manufacturer:****United States**

CTS Cement Manufacturing Corporation

12442 Knott St.

Garden Grove, CA 92841

800-929-3030

[info@ctscement.com](mailto:info@ctscement.com)**Emergency telephone number:****United States**

INFOTRAC 1-800-535-5053

**International**

INFOTRAC 1-352-323-3500

**SECTION 2: Hazard(s) identification****GHS classification:**

Skin irritation, category 2

Serious eye damage, category 1

Specific target organ toxicity - single exposure, category 3, respiratory irritation

Skin Sensitivity, category 1

Carcinogenicity, category 1A

**Label elements****Hazard Pictograms:****Signal word:** Danger



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**Hazard statements:**

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H350 May cause cancer (inhalation).

**Precautionary statements:**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace
- P280 Wear protective gloves, protective clothing, eye protection, face protection.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention
- P362 Take off contaminated clothing and wash it before reuse.
- P305+P351+P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a poison center or doctor if you feel unwell.
- P405 Store locked up.
- P403+P233 Store in a well ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

**Hazards not otherwise classified:** None.

**SECTION 3: Composition/information on ingredients**

Identification	Name	Weight %
CAS number: 65997-15-1	Portland cement	10-30
CAS number: 12004-14-7	Aluminum calcium oxide sulfate	10-30
CAS number: 10034-77-2	Dicalcium silicate	10-30
CAS number: 1317-65-3	Calcium carbonate	10-30
CAS number: 7778-18-9	Calcium sulfate	1-10



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CAS number: 1344-28-1	Aluminum oxide	1-10
CAS number: 546-93-0	Magnesium carbonate	1-10
CAS number: 14808-60-7	Total Silica, crystalline quartz	0-1

**Additional Information:**

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

\*Cement is primarily comprised of calcium compounds with oxides of aluminum, iron, sulfur, and silica. Trace amounts of naturally occurring, potentially harmful chemicals might be detected during chemical analysis. Trace constituents may include, but are not limited to, magnesium, potassium, sodium oxides, and hexavalent chromium.

**SECTION 4: First aid measures**

**Description of first aid measures**

**General notes:**

If exposed or concerned: Call a poison center or doctor.

**After inhalation:**

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If exposed or concerned: Call a poison center or doctor.

**After skin contact:**

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

**After eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

**After swallowing:**

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If exposed or concerned: Call a poison center or doctor.

**Most important symptoms and effects, both acute and delayed**

**Acute symptoms and effects:**

**SKIN CONTACT:** Exposure may cause irritation. Symptoms include redness, itching, burning and inflammation. Exposure to wet material may cause severe skin burns and irreversible tissue damage.

**EYE CONTACT:** Exposure may cause serious eye damage. Symptoms include irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision.

**INHALATION:** Inhalation of dust may irritate the nose, throat and respiratory tract. Symptoms include cough, sore throat, shortness of breath and inflammation of the mucous membranes lining the respiratory tract.

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**INGESTION:** Ingestion is an improbable route of exposure. Ingestion of wet material would cause corrosive burns to mouth, esophagus and stomach. Symptoms include pain, tissue damage, nausea and vomiting.

**Delayed symptoms and effects:**

Effects are dependent on exposure (dose, concentration, contact time).

Exposure to respirable silica may cause cancer and damage to organs. Prolonged and/or repeated exposure to silica-containing dust may cause lung damage and a lung disease called silicosis. Silicosis is a progressive and disabling lung disease that causes pulmonary fibrosis, chronic obstructive pulmonary disorder (COPD) and lung cancer. Silicosis lowers the immune system and makes an individual more susceptible to tuberculosis. Silicosis may also cause renal disease and scleroderma – a disease affecting skin, blood vessels, joints and skeletal muscles. Symptoms of silicosis may include (but are not limited to) shortness of breath, difficulty breathing with or without exertion; coughing; diminished work capacity; diminished chest expansion; reduction of lung volume; right heart enlargement and/or failure. Not all individuals with silicosis will exhibit symptoms of the disease. However, silicosis can be progressive, and symptoms can appear at any time, even years after exposures have ceased.

**Immediate medical attention and special treatment****Specific treatment:**

In case of eye contact, seek prompt medical attention while rinsing is continued. Exposure to wet material requires prompt medical treatment.

**Notes for the doctor:**

Treat symptomatically

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media:**

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

**Unsuitable extinguishing media:**

Not determined or not applicable.

**Specific hazards during fire-fighting:**

Thermal decomposition can lead to release of irritating gases and vapors.

**Special protective equipment for firefighters:**

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

**Special precautions:**

Carbon monoxide and carbon dioxide may form upon combustion Heating causes a rise in pressure, risk of bursting and combustion.

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation. Ensure air handling systems are operational. Wear protective eyewear, gloves, and clothing.

**Environmental precautions:**

Should not be released into the environment. Prevent from reaching drains, sewer or waterway.

**Methods and material for containment and cleaning up:**

Wear protective gloves, protective clothing, eye protection, face protection. Sweep or scoop up solid material while minimizing dust generation. Dispose of contents / container in accordance with local regulations.

**Reference to other sections:**



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Not determined or not applicable.

**SECTION 7: Handling and storage**

**Precautions for safe handling:**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, mist, vapors, or spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.

**Do not eat, drink, smoke or use personal products when handling chemical substances. Conditions for safe storage, including any incompatibilities:**

Keep container tightly sealed. Keep container dry. Store locked up. Store in a cool, well-ventilated area.

**SECTION 8: Exposure controls/personal protection**

Only those substances with limit values have been included below.

**Occupational Exposure limit values:**

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Portland cement	65997-15-1	ACGIH TLV TWA 1 mg/m <sup>3</sup>
	Calcium carbonate (limestone)	1317-65-3	ACGIH TLV TWA 10 mg/m <sup>3</sup> (total dust)
	Calcium sulfate	7778-18-9	ACGIH TLV-TWA 10 mg/m
	Aluminum oxide (includes metals and insoluble compounds)	13463-67-7	ACGIH TLV-TWA 1 mg/m <sup>3</sup>
	Silica, crystalline quartz (respirable)	14808-60-7	ACGIH TLV TWA 0.025 mg/m <sup>3</sup> (Respirable fraction)
	Total silica, crystalline quartz	14808-60-7	ACGIH TLV TWA 0.025000 mg/m <sup>3</sup>
OSHA	Portland cement	65997-15-1	OSHA 8 hr TWA PEL: 15 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Calcium carbonate (limestone)	1317-65-3	OSHA 8 hr TWA PEL: 10 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Calcium sulfate	7778-18-9	OSHA 8 hr TWA PEL: 15 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Aluminum oxide (as alpha-Alumina)	1344-28-1	OSHA 8 hr TWA PEL: 10 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Magnesium carbonate	546-93-0	OSHA 8 hr TWA PEL: 15 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Silica, crystalline quartz (Respirable)	14808-60-7	OSHA 8-hour TWA PEL: 0.025 mg/m <sup>3</sup> (Respirable fraction, action level)
	Silica, crystalline quartz (Respirable)	14808-60-7	OSHA 8-hour TWA PEL: 0.05 mg/m <sup>3</sup> (Respirable fraction, exposure limit level)



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	Total Silica, crystalline quartz	14808-60-7	TWA 30.000000 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2 USA. OSHA
	Total Silica, crystalline quartz	14808-60-7	TWA 0.050000 mg/m <sup>3</sup> USA. NIOSH
NIOSH	Portland cement clinker	65997-15-1	NIOSH TWA 10 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Calcium carbonate (as limestone)	1317-65-3	NIOSH TWA 10 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Calcium sulfate	7778-18-9	NIOSH TWA 10 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Aluminum oxide (as alpha-Alumina)	1344-28-1	NIOSH TWA 10 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Magnesium carbonate	546-93-0	NIOSH TWA 10 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)
	Silica, crystalline quartz (Respirable)	14808-60-7	NIOSH TWA 0.05 mg/m <sup>3</sup>

**Biological limit values:**

No biological exposure limits noted for the ingredient(s).

**Information on monitoring procedures:**

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.

**Appropriate engineering controls:**

Emergency eyewash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

**Personal protection equipment**

**Eye and face protection:**

Safety goggles or glasses, or appropriate eye protection.

**Skin and body protection:**

Select glove material impermeable and resistant to the substance. Wear appropriate clothing to prevent any possibility of skin contact.

**Respiratory protection:**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**General hygienic measures:**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, mist, vapors, or spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not eat, drink, smoke or use personal products when handling chemical substances.



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**SECTION 9: Physical and chemical properties**

Information on basic physical and chemical properties

Appearance	Solid; gray powder
Odor	Low
Odor threshold	Not available
pH	11 - 12 when wet
Melting point/freezing point	Not available
Initial boiling point/range	Not applicable
Flash point (closed cup)	Not available
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	Not available
Vapor pressure	Not applicable
Vapor density	Not applicable
Bulk Density	60 lb/ft <sup>3</sup>
Relative density	2.7 - 3.1 at 20°C
Solubilities	Partially soluble
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	2460°F (1350°C)
Dynamic viscosity	Not applicable
Kinematic viscosity	Not applicable
Explosive properties	Not available
Oxidizing properties	Not available

Other information

VOC (Weight %)	0 g/l when mixed with water
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**SECTION 10: Stability and reactivity**

**Reactivity:**

Does not react under normal conditions of use and storage.

**Chemical stability:**

Stable under normal conditions of use and storage.

**Possibility of hazardous reactions:**

None under normal conditions of use and storage.

**Conditions to avoid:**

None known.



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**Incompatible materials:**

None known.

**Hazardous decomposition products:**

None known.

**SECTION 11: Toxicological information**

**Information on toxicological effects:**

**Acute toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Skin corrosion/irritation Assessment:**

Causes skin irritation

**Serious eye damage/irritation Assessment:**

Causes serious eye damage

**Respiratory or skin sensitization**

**Assessment:** Based on available data, the classification criteria are not met.

**Carcinogenicity Assessment:**

May cause cancer

**International Agency for Research on Cancer (IARC):**

Name	Classification
Silica, crystalline quartz (Respirable)	Group 1 - Carcinogenic to humans

**National Toxicology Program (NTP):**

Name	Classification
Silica, crystalline quartz (Respirable)	Known to be human carcinogens

**Germ cell mutagenicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Reproductive toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure)**

**Assessment:**

May cause respiratory irritation

**Specific target organ toxicity (repeated exposure)**

**Assessment:**



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May cause damage to organs (lungs) through prolonged or repeated exposure

Name	Result
Silica, crystalline quartz (Respirable)	Causes damage to organs (lungs) through prolonged or repeated exposure via inhalation.

**Aspiration toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Information on likely routes of exposure:**

Eye and skin contact, inhalation

**Symptoms related to the physical, chemical and toxicological characteristics:**

No data available.

**Other**

**information:**

No data available.

**SECTION 12: Ecological information**

**Acute (short-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Chronic (long-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Persistence and degradability**

**Product data:** No data available.

**Substance data:** No data available.

**Bioaccumulative potential**

**Product data:** No data available.

**Substance data:** No data available.

**Mobility in soil**

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

**SECTION 13: Disposal considerations**

**Disposal methods:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. Dispose of contents/container in accordance with local, regional, national, and international regulations.

**SECTION 14: Transport information**



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**United States Transportation of dangerous goods (49 CFR DOT)**

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

**International Maritime Dangerous Goods (IMDG)**

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

**International Air Transport Association Dangerous Goods Regulations (IATA-DGR)**

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

**SECTION 15: Regulatory information**

**United States regulations Inventory listing (TSCA):**

12004-14-7	Aluminum calcium oxide sulfate	Listed
10034-77-2	Dicalcium silicate	Listed
7778-18-9	Calcium sulfate	Listed
14808-60-7	Silica, crystalline quartz	Listed

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed. None of the ingredients are listed.

SARA Section 313 toxic chemicals: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.



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RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

**Massachusetts Right to Know:**

7778-18-9	Calcium sulfate	Listed
65997-15-1	Portland cement	Listed
1317-65-3	Limestone (calcium carbonate)	Listed
14808-60-7	Silica, crystalline quartz (Respirable)	Listed
546-93-0	Magnesium carbonate	Listed
1344-28-1	Aluminum oxide	Listed

**New Jersey Right to Know:**

1305-78-8	Calcium oxide	Listed
14808-60-7	Silica, crystalline quartz (Respirable)	Listed
1344-28-1	Aluminum oxide	Listed

**New York Right to Know:**

None-listed		
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**Pennsylvania Right to Know:**

65997-15-1	Portland cement	Listed
7778-18-9	Calcium sulfate	Listed
1317-65-3	Limestone (calcium carbonate)	Listed
14808-60-7	Silica, crystalline quartz (Respirable)	Listed
1344-28-1	Aluminum oxide	Listed

**California Proposition 65:**

⚠ WARNING: Cancer and Reproductive Harm – [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

**SECTION 16: Other information**

**Abbreviations and Acronyms:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- ADR: European Road Transport
- AU: Australia
- CA: Canada
- CAS: Chemical Abstracts Service
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
- CN: China
- CPR: Controlled Products Regulations
- DFG: Deutsche Forschungsgemeinschaft
- DOT: Department of Transportation
- DSL: Domestic Substances List

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EEC: European Economic Community  
 ECHA: European Chemicals Agency  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 EPA: Environmental Protection Agency  
 EU: European Association  
 IARC: International Agency for Reach on Cancer  
 IMDG: International maritime dangerous goods code  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organization  
 JP: Japan  
 COD: Chemical Oxygen Demand  
 BOD5: 5-day biochemical oxygen demand  
 BCF: Bioconcentration factor  
 LD50: Lethal Dose 50  
 CL50: Lethal Concentration 50  
 EC50: Effective concentration 50  
 Log-POW: Octanol-water partition coefficient  
 Koc: Partition coefficient of organic carbon  
 Know: Octanol/water partition coefficient  
 KR: Korea  
 LEL: Lower Explosive Limit  
 UEL: Upper Explosive Limit  
 NIOSH: National Institute for Occupational Safety and Health Administration  
 PH: Philippines  
 RCRA: Resource Conservation and Recovery Act  
 OSHA: Occupational Safety and Health Administration  
 RID: European Rail Transport  
 SARA: Superfund Amendments and Reauthorization Act  
 STEL: Short Term Exposure Limit  
 TDG: Transportation of Dangerous Goods  
 TSCA: Toxic Substances Control Act  
 TWA: Time Weighted Average  
 US: United States

**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 3-0-0**HMIS:** 3-0-0\***Initial preparation date:** 11/16/20**Version #:** 3**Revision Date:** 04/07/22**End of Safety Data Sheet**