



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST

SECTION 1: Identification

Product identifier

Product name: Fast

Product code: 808100000

Recommended use of the product and restriction on use

Relevant identified uses: Additive for cement-based products

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@ctsceement.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

Eye irritation, Category 2A

Specific Target Organ Toxicity Single Exposure, Category 3

Acute aquatic toxicity, Category 3

Chronic aquatic toxicity, Category 3

Label elements

Hazard Pictograms:



Signal word: Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long-lasting effects.

**Safety Data Sheet**

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST**Precautionary statements:**

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P264 Wash hands/eyes/mouth/skin/clothing thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- 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.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER or doctor if you feel unwell.
- P321 Specific treatment (see section 4 on this SDS).
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified:

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 16828-12-9	Aluminum sulfate	90-100

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).

SECTION 4: First aid measures**Description of first aid measures****General notes:**

Do not leave the victim unattended. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After inhalation:

Remove to fresh air and ventilated area. If unconscious, place in the recovery position and seek medical advice. If symptoms persist, call a physician.

After skin contact:

Remove contaminated clothing and shoes. Drench the affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

After eye contact:

Rinse with plenty of water for at least 15 minutes. Remove contact lenses. Protect unharmed eye. Keep eye



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST

wide open while rinsing. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

After swallowing:

Clean mouth with water. Never give anything by mouth to an unconscious person. Keep respiratory tract clear. Do NOT induce vomiting. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Acute and delayed symptoms and effects:

General: Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

Inhalation: Irritation of the respiratory tract and the other mucous membranes.

Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

Immediate medical attention and special treatment

Specific treatment:

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

Notes for the doctor:

Not determined.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water spray, foam, dry powder and carbon dioxide.

Unsuitable extinguishing media:

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Specific hazards during fire-fighting:

Use water spray or fog for cooling exposed containers. Do not allow run-off from firefighting to enter drains or water courses.

Special protective equipment for firefighters:

Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Forms aluminum oxide, sulfur dioxide and/or sulfur trioxide at temperatures above 760°C (1400°F) or when dry alum is encompassed in a fire involving other burning materials. The decomposition products are corrosive and hazardous to health.

Special precautions:

Not considered flammable but may burn at high temperatures. Hazardous reactions will not occur under normal conditions.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid breathing dust. Avoid all contact with skin, eyes, or clothing.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST

For Emergency Personnel

Protective Equipment: Equip the cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods,

protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

Environmental precautions:

Prevent entry to sewers and public waters. Avoid release to the environment.

Methods and material for containment and cleaning up:

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to other sections:

See section 8 for exposure controls and personal protection. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

Precautions for safe handling:

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Avoid contact with eyes, skin and clothing. Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities:

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from extremely high or low temperatures and incompatible materials.

Incompatible Materials: Non acid-proof metals (such as aluminum, copper, and iron), bases, unalloyed steel, and galvanized surfaces.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

None of the components have assigned exposure limits.

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 eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are

**Safety Data Sheet**

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST

observed.

Personal protection equipment Eye and face protection:

Safety glasses with side-shields or chemical safety goggles.

Skin and body protection:

Chemically resistant materials and fabrics. Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact. Nitrile, butyl rubber or neoprene gloves are recommended.

Respiratory protection:

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

General hygienic measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practices. When using, do not eat, drink, or smoke.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Appearance	Solid; White powder
Odor	Characteristic
Odor threshold	Not available
pH	>2.9
Melting point/freezing point	186.8 °F (86 °C)
Initial boiling point/range	Not applicable
Flash point (closed cup)	242.6 °F (117 °C)
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	Not available
Relative density	Not available
Solubilities	Soluble
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	Not determined
Dynamic viscosity	Not applicable



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST

Kinematic viscosity	Not applicable
Explosive properties	Not available
Oxidizing properties	Not available

SECTION 10: Stability and reactivity

Reactivity:

Stable under normal conditions. No decomposition if stored and applied as directed.

Chemical stability:

Stable under normal conditions. No decomposition if stored and applied as directed.

Possibility of hazardous reactions:

Hazardous polymerization will not occur.

Conditions to avoid:

Extremely high or low temperatures and incompatible materials.

Incompatible materials:

Non-acid-proof metals (such as aluminum, copper, and iron), bases, unalloyed steel, and galvanized surfaces.

Hazardous decomposition products:

None expected under normal conditions of use.

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 is available.

Substance data: No data is available.

Skin corrosion/irritation

Assessment: Causes skin irritation.

Product data: No data is available.

Substance data: pH > 2.9 @ 5%

Serious eye damage/irritation

Assessment: Causes serious eye irritation.

Product data: No data is available.

Substance data: pH > 2.9 @ 5%

Respiratory or skin sensitization

Assessment: Irritation of the respiratory tract and the other mucous membranes.

Product data: No data is available.

Substance data: No data is available.

Carcinogenicity

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

Product data: No data is available.

Substance data: No data is available.



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST

International Agency for Research on Cancer (IARC):

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

Product data: No data is available.

Substance data: No data is available.

National Toxicology Program (NTP):

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

Product data: No data is available.

Substance data: No data is available.

Germ cell mutagenicity

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

Product data: No data is available.

Substance data: No data is available.

Reproductive toxicity

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

Product data: No data is available.

Substance data: No data is available.

Specific target organ toxicity (single exposure)

Assessment: May cause respiratory irritation.

Product data: No data is available.

Substance data: No data is available.

Aspiration toxicity

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

Product data: No data is available.

Substance data: No data is available.

Information on likely routes of exposure:

No data is available.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms/Effects After Inhalation:

Irritation of the respiratory tract and the other mucous membranes.

Symptoms/Effects After Skin Contact:

Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Effects After Eye Contact:

Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Effects After Ingestion:

Ingestion may cause adverse effects.

Other information:

No data is available.

SECTION 12: Ecological information

Acute toxicity

Assessment: Harmful to aquatic life with long lasting effects.

**Safety Data Sheet**

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST**Product data:** No data available.**Substance data:**

Aluminum sulfate

Component	Result
Toxicity to fish	LC50 (Danio rerio (zebra fish)): > 87.5 mg/l End point: mortality Exposure time: 96 h Test Type: semi-static test Analytical monitoring: yes Method: OECD Test Guideline 203 GLP: yes
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 200 mg/l End point: Immobilization Exposure time: 48 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae/aquatic plants	ErC50 (Pseudokirchneriella subcapitata (microalgae)): 0.24 mg/l Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: yes

Chronic toxicity**Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data available.**Substance data:** No data available.

Component	Result
Toxicity to fish	NOEC (Salvelinus fontinalis (Brook trout)): 0.024 mg/l End point: mortality Exposure time: 60 d Test Type: semi-static test Analytical monitoring: yes Remarks: (ECHA) NOEC (Salvelinus fontinalis (Brook trout)): 0.024 mg/l End point: mortality Exposure time: 60 d Test Type: semi-static test Analytical monitoring: yes Remarks: (ECHA) NOEC (Salvelinus fontinalis (Brook trout)): 0.024 mg/l End point: mortality Exposure time: 60 d Test Type: semi-static test Analytical monitoring: yes Remarks: (ECHA)
Toxicity to daphnia and other aquatic invertebrates	NOEC (Ceriodaphnia dubia (water flea)): 3.8 mg/l End point: reproduction rate Exposure time: 8 d Test Type: semi-static test Method: US-EPA
Toxicity to microorganisms	EC50 (activated sludge): > 200 mg/l Exposure time: 3 h Test Type: static test Method: OECD Test Guideline 209 GLP: yes

Persistence and degradability**Product data:** May cause long term adverse effects in the environment.**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.

**Safety Data Sheet**

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST**SECTION 13: Disposal considerations****Disposal methods:**

Avoid release to the environment. Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state, and local regulations. Container may remain hazardous when empty. Continue to observe all precautions. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: Transport information**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): All components are on the US EPA TSCA Inventory List.

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.

SARA Section 311/312 substances: None of the ingredients are listed.



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST

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

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

CERCLA: None of the ingredients are listed.

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: No ingredient regulated by MA Right-to-Know Law present.

New Jersey Right to Know: No ingredient regulated by NJ Right-to-Know Law present.

New York Right to Know: No ingredient regulated by NY Right-to-Know Law present.

Pennsylvania Right to Know: No ingredient regulated by PA Right-to-Know Law present.

California Proposition 65:

Not listed/Not Regulated

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

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 Research 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



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set FAST

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: 2-1-0

HMIS: 2-0-0

Initial preparation date: 06/19/18

Version #: 4

Revision Date: 10/01/25

End of Safety Data Sheet