

Safety Data Sheet

SET FAST A-98 ACCELERATOR

Complies with OSHA Hazard Communication
Standard 29 CFR 1910.1200



www.specco.com

SECTION 1. Identification

1.1 Product Identifier:

Product Name: Set Fast A-98 Accelerator

Product Code: Formulation: JB-1079P

1.2 Uses of the product:

Chloride powdered accelerator admixture for concrete and masonry

1.3 Details of the product manufacturer:

Supplied By:

Specco Industries Inc.
601 N. 5th Ave.
Kankakee, Illinois 60901
(630)-257-5060
E-Mail: Info@specco.com

1.4 Emergency Telephone Number:

24 Hour Emergency:
INFOTRAC: 1-800-535-5053

Outside U.S. and Canada
Infotrac: 352-323-3500

Note: INFOTRAC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

SECTION 2. Hazard(s) Identification

2.1 EMERGENCY OVERVIEW** OSHA Hazards: Harmful if swallowed.

2.2 Classification of the substance or mixture: Target Organs: Lungs

GHS-US Classification

Oxidizing solids= Category 3

Acute oral toxicity= Category 3

Specific target organ toxicity = repeated exposure= Category 2

Target organs-kidney, liver, blood, cardiovascular system = Category 2

For the full text of H-phrases: See Section 16

2.3 Label elements:

Symbol(s) of Product GHS-US labeling:

Hazard pictograms (GHS-US):

Signal Word:



Danger

2.3 Label Elements

GHS –US HAZARD STATEMENTS:

Acute Toxicity Oral-category 4

H302

Harmful if swallowed

Eye Irritation, category 2

H319

Causes serious eye irritation

Lung Irritation, category 2

H335

May cause respiratory irritation

Repeated exposure- category 2

H373

May cause damage to the lungs and / or
Respiratory system through prolonged or
repeated inhalation

GHS –US 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 |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| P264 | Wash hands and forearms thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product |
| P272 | Contaminated work clothing should not be allowed out of workplace |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302 + P352 | IF ON SKIN, Wash with plenty of water. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep 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. |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| P312 | Call a POISON CENTER/doctor/physician if you feel unwell. |
| P321 | Specific treatment (see first aid section on this label) . |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P337 + P313 | If eye irritation occurs: Get medical advice/attention. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| P403 + P233 | Store in a well-ventilated place. Keep containers tightly closed |
| P501 | Dispose of contents/container in accordance with local / regional / national / international regulations. |

2.4 Other hazards:

Hazardous decomposition products: Silica will dissolve in hydrofluoric acid and produce a corrosive gas-silicon tetrafluoride.

SECTION 3. Composition on Ingredients

3.1 Substances:

| <u>Chemical name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS-US Symbols</u> | <u>GHS-US Statements</u> |
|----------------------|----------------|--------------|-----------------------|--------------------------|
| Calcium Chloride | 10043-52-4 | 95-100%. | GHS07-GHS08 | H315, 319 |

Note: The full text for GHS Statements shown above (if any) is given in the "Other Information" Sect. (16)

STOT SE = Specific target organ toxicity for a single exposure

STOT RE = Specific target organ toxicity for a repeated exposure

SECTION 4. First-Aid Measures

4.1 Description of first aid measures:



FIRST AID- EYE CONTACT: Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly. Remove contact lenses if worn.



FIRST AID- SKIN CONTACT: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately and clean shoes before reuse.



FIRST AID- INHALATION: Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.



FIRST AID- INGESTION:

Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

4.2 Principle symptoms and health effects both acute and delayed:



EYE CONTACT: Redness, irritation or pain



SKIN CONTACT: Prolonged contact with large amounts of this product may cause mechanical irritation. Dust may cause irritation in skin folds or by contact in combination with tight clothing.



INHALATION: May cause respiratory irritation, sneezing, coughing, burning sensation in the throat, or constriction in the larynx, or difficulty breathing.



INGESTION: Abdominal pain

CHRONIC SYMPTOMS: Shortness of breath, wheezing, cough and sputum production. May cause cancer, silicosis, lung disease, auto immune disease, tuberculosis, and nephrotoxicity.

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

No specific actions are required.

SECTION 5. Fire-Fighting Measures

5.1 Extinguishing Media:

Suitable Extinguishing Media: Use the extinguishing media appropriate for the surrounding fire.

Unsuitable Extinguishing Media: None Known

5.2 Special hazards arising from the substance or mixture:

Fire Hazard: None

Explosion Hazard: None, this product is not explosive

Reactivity: Reacts with water

5.3 Advice for Firefighters

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

General: Do not breath dust. Avoid generating airborne dust. Collect the material using a method that does not produce dust. (High Efficiency Particulate Air (HEPA) vacuum or thoroughly wetting down the material). Dispose of according to federal, state, and local regulations.

Protective Equipment: Wear protective clothing as appropriate for the work environment, including gloves, and eye/face protection. Use respiratory protection as recommended in Section 8-Exposure controls/personal protection.

Emergency Procedure: Collect as any inert solid

6.2 Environmental precautions:

No special requirements

6.3 Methods and material for containment and cleaning up:

Avoid dry sweeping or otherwise generating dust during clean-up of spills. Use water spraying or vacuum cleaning systems to prevent airborne dust generation. Recover product by vacuuming or shoveling and place the material in a covered container appropriate for disposal.

6.4 Reference to other Sections:

Refer to Sections 8 and 13 for additional information

SECTION 7. Handling and Storage

7.1 Precautions for safe handling:

Work Practices: Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. Do not rely on vision to determine whether respirable silica is present in the air since it may be present without a visible cloud. In case of insufficient ventilation, wear respiratory protective equipment as recommended in Section 8. Handle packaged products carefully to prevent bursting. If you require advice on safe handling techniques, please contact your supplier or check the Good Practices Guide referenced in Section 16.

Hygiene Practices: Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2 Conditions for safe storage, including any incompatibilities:**

Technical measures: Minimize airborne dust generation and prevent wind dispersal during loading and unloading.

7.3 Specific end use(s):

Intended Use(s): Accelerator powder admixture for concrete and masonry mix designs.

Prohibited use(s): None listed

Precautions: Store containers/ a bags in a cool dry place away from moisture. Keep containers closed and store packaged products so as to prevent accidental bursting. Keep containers/bags closed when not in use.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control Parameters:**Ingredients with Occupational Exposure Limits:**

This product does not contain any hazardous materials with occupational exposure limits established by region specific regulatory bodies.

| <u>Chemical Name</u> | <u>ACGIH-TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|----------------------|----------------------|-----------------------|---------------------|-------------------------|
|----------------------|----------------------|-----------------------|---------------------|-------------------------|

8.2 Exposure controls:**8.2.1 Engineering controls:**

Minimize the generation of airborne dust. Use process controls, local exhaust ventilation, or other engineering controls to maintain airborne levels below the limits shown in Section 8.1 above. See also ACGIH Industrial Ventilation-Recommended Practice (latest edition).

8.2.2 Personal protective equipment (PPE):



RESPIRATORY PROTECTION: Avoid breathing dust produced during the use and handling of this product. A NIOSH/MSHA approved air purifying respirator with a HEPA cartridge is required under circumstances where airborne concentrations are less than 0.1 mg/ m³ (10 X PEL). Typically, a half-mask air purifying respirator with a P-100 HEPA filter approved by NIOSH is sufficient for use with this product. For application concentrations greater than this particulate threshold,, full face piece air purifying respirators or any air powered-purifying respirators can be utilized for proper protection levels. If the workplace airborne crystalline silica concentration is unknown for a given task, conduct air monitoring to determine the appropriate level of respiratory protection needed. Consult with a certified industrial hygienist, your insurance risk manager, or the OSHA/MSHA Consultive Services Group for more information. Ensure appropriate respirators are worn during job tasks, including clean-up or whenever airborne dust is present, in order to manage employee exposures below occupational health limits.



SKIN PROTECTION: Wear impervious, impermeable gloves to prevent contact with the skin. Wear protective gear as needed such as apron, long sleeved shirts in situations where abrasion from sand may occur. Wash hands with soap and water after use.



EYE PROTECTION: Goggles are recommended where airborne dust is produced..



OTHER PROTECTIVE EQUIPMENT: None



HYGIENIC PRACTICES: Do not eat or drink in areas where the material is used. Avoid breathing dust. Remove contaminated clothing and wash before re-use. Wash thoroughly after handling. Wash hands before eating.

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

| | | | |
|-----------------------------------|--------------------|--------------------------------|--------------------|
| Appearance: | white powder | Physical State: | Powder |
| Density, g/cm³: | NA | Odor : | None |
| Melting Point, °F: | 520 deg. F. | pH: | 8.0-9.0 (diluted). |
| Solubility in Water: | 820 g/L (70 deg F) | Viscosity: | N.A. |
| Boiling Range, F: | 608 deg. F | Explosive Limits, vol%: | N.A. |
| Evaporation Rate: | N.A. | Flash Point, °F: | N.A. |
| Vapor Density: | N.A. | Auto Ignition Temp, °F: | N.A. |
| | | Vapor Pressure: | N.A |

9.2 Note: See “Other Information” Section (16) for abbreviation legend

SECTION 10. Stability and Reactivity

10.1 Reactivity:

Yes

10.2 Chemical stability:

Keep stored in a dry area

10.3 Possibility of hazardous reactions:

Hazardous reactions or polymerization will not occur.

10.4 Conditions to avoid:

Incompatible products, excess heat, combustible materials, dust formation, exposure to moist air

10.5 Incompatible materials:

Acids, amines, reducing agents, oxidizing agents, combustible materials, strong reducing agents

10.6 Hazardous decomposition products:

None

SECTION 11. Toxicological Information

**Information on Toxicological Effects**

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact, Ingestion

Numerical measures of toxicity: NA

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term exposure:
NA

SECTION 12. Ecological Information

12.1 Toxicity

Very toxic to aquatic organisms

12.2 Persistence and degradability

Soluble in water. Persistence is unlikely based on information available.

12.3 Bioaccumulative potential

Not known to bio-accumulate.

12.4 Mobility in Soil

Will most likely be mobile in the environment due to its water solubility

12.5 Other adverse effects

No other specific adverse effects known

SECTION 13. Disposal Considerations

**13.1 Waste treatment methods**

General: The unused product residue may be landfilled and is not expected to be a hazardous waste under RCRA.

Packaging: Material should be placed in covered containers to minimize generation of airborne dust. Place spilled material into a container. Scrape wet material and place into a container. Allow material to dry or solidify before disposal.

RCRA: None

NOTE: Always dispose of any waste in accordance with all local, state, and federal regulations.

SECTION 14. Transport Information

14.1 UN Number:

Not hazardous per D.O.T. in case quantity (less than 100 lb. unit quantities)
Full pallet quantities would be: UN1500

14.2 UN Proper Shipping Name:

Item#149980, Sub 7, Freight Class 60 powder in premeasured bags inside box

14.3 Transport hazards class:

NA in small unit quantity, 5.1 or 6.1 for full pallet quantity

14.4 Packing Group:

NA in small unit quantity, III for full pallet quantity

14.5 Environmental hazards:

Not relevant

14.6 Special precautions for user:

No special precautions

SECTION 15. Regulatory Information

15.1 U.S. Federal Regulations:

TSCA No:

None

SARA SECTIONS:

302: None known.

311/312 Acute Health Hazard= yes, Chronic Health Hazard= yes, Fire hazard= no, Sudden Release of Pressure Hazard =no, Reactive Hazard = yes

313 Hazard Categories: None

RCRA:

None

CERCLA:

None.

EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT:

None

CLEAN AIR ACT:

This product does not contain any Class I or Class II ozone depleting substances.

FDA:

None

NTP:

None

OSHA:

None.

CERCLA: This material, as supplied, contains one or more of the substances under the "Comprehensive Environmental Response Compensation and Liability Act" = (CERCLA) (40 CFR 302)
Component= Sodium Nitrite, Hazardous Substance RQ's= 100 lb.

15.2 U.S. State Regulations:**CALIFORNIA PROPOSITION 65:**

This product does not contain any chemicals known to the state of California to cause cancer and birth defects or other reproductive harm:

CALIFORNIA INHALATION REFERENCE EXPOSURE LIMIT (REL):

None.

15.3 International regulations:**CANADIAN WHMIS:**

Not restricted/ Non-hazardous

All components of this product are on the Domestic Substances List (DSL), and are acceptable for use under the provisions of CEPA.

STATE RIGHT TO KNOW:

Component = Sodium Nitrite

Massachusetts, New Jersey, Pennsylvania, Illinois

WHMIS Class:**C:** Oxidizing Materials**D1B:** Toxic Materials**EUROPEAN UNION:**

All components of this product are on the European Inventory of Existing Commercial Chemical Substances.

IARC:

NA

15.4 Other Regulations

National, state, provincial or local emergency planning, community right to know or other laws, regulations or ordinances may be applicable-consult applicable national , state, provincial or local laws.

SECTION 16. Other Information**Revision Date:** 12-16-19**Supersedes Date:** 05-01-17

S.D.S. produced by: Specco Regulatory Department in accordance with the requirements outlined in the Federal Register, Volume 77, NO.58, March 2012 page 17574. In this final rule, OSHA modified its

Hazard Communication Standard (HCS) to conform to the United Nation's Globally Harmonized System of Classification and Labeling of Chemicals (GHS). The modifications to the standard included but were not limited to revised criteria for classification of chemical hazards and a new specified format for Safety Data Sheets.

Standardized American System for the identification of hazards presented by this product in view of emergency procedures (NFPA 704) -H.M.I.S. Ratings:

| | | | | | | | |
|----------------|----------|----------------------|----------|--------------------|----------|-----------------------------|----------|
| Health: | 1 | Flammability: | 0 | Reactivity: | 2 | Personal Protection: | E |
|----------------|----------|----------------------|----------|--------------------|----------|-----------------------------|----------|

* Refer to Section 2 and Section 11 of this SDS

Text for GHS Hazard Statements shown in section 3 describing each ingredient:

H315 Causes skin irritation
H319 Causes serious eye irritation

Icons for GHS Pictograms shown in Section 3 describing each ingredient:



Legend: * Refer to 49 CFR for possible exceptions and exemptions. Abbreviations : TLV= Threshold Limit Value. TWA= Time Weighted Average. STEL= Short Term Exposure Limit. N.A. = Not Applicable. N.D. = Not Determined, N.E. =Not Established. IATA= International Air Transport Association. IMDG= International Maritime Dangerous Goods.

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