

Safety Data Sheet

According to OSHA HCS 2012 (29 CFR 1910.1200)



SECTION 1: IDENTIFICATION

Product Identifier: COOLER TAB / FRESH AIR
Other Names of Identification: 5279 (Tablet) / 5255 (Cake) **SDS Number/Product Code:** GP-42A
Recommended Use: Evaporative Cooler Water Treatment / Industrial Plasters
Recommended Restrictions: Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

Distributor: Dial Manufacturing, Inc.
25 S. 51st Avenue
Phoenix, AZ 85043
SDS Information: Phone: 602-278-1100
Email:
URL: www.dialmfg.com
Customer Service: U.S.: 1-800-350-3425

Emergency Health and Safety Number: CHEMTREC 414-277-1311 (24 Hours)
CHEMTREC 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview: WARNING
Harmful if swallowed. Causes eye irritation. A natural chemical reaction during hardening (rehydration) develops sufficient heat that may cause severe burns in the event of contact with skin. These burns may possibly result in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Crushing, mixing, sanding, or otherwise working with this product may generate large amounts of dust. Dust can be irritating to the eyes.

Physical Hazards: Not classified

Health Hazards: Acute toxicity, oral. Category 4
Serious eye damage/eye irritation Category 2B

Environmental Hazards: Not classified.

OSHA Defined Hazards: Not classified.

Signal Word: WARNING



Harmful if swallowed. Causes eye irritation.

Precautionary Statements:
Prevention: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. After mixing with water, do not allow prolonged contact with skin until the product has completely hardened and cooled.

Response: If swallowed: Rinse mouth. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage: Store away from acids, phosphorus, diazomethane, and aluminum (at high temperatures). Protect from moisture.

Disposal: Dispose of contents/container in accordance with applicable regulations.

Hazard(s) not otherwise Classified (HNOC): Heat develops as product hardens. May cause serious burns during hardening (rehydration) resulting in possible permanent injury.
Supplemental Information: None

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>% by Wt.</u>
GYPSUM CALCIUM SULFATE	10101-41-4	60-100%
CRYSTALLINE SILICA (QUARTZ)*	14808-60-7	1-5

Composition comments: Gypsum (calcium sulfate) contains naturally occurring crystalline silica (quartz) which is listed as a lung carcinogen. See Section 8 for exposure information.

*The weight percent for crystalline silica represents total crystalline silica and not the respirable fraction. Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin Contact: For skin contact, wash immediately with soap and water. Get medical attention if irritation develops and persists.

Inhalation: Remove to fresh air. If symptoms persist, get medical attention.

Ingestion: Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. May result in obstruction and irritation if ingested. Get medical attention.

Most Important Symptoms/Effects, Acute and Delayed: Causes eye irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Skin contact during hardening (rehydration) may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

Indication of Immediate Medical Attention and Special Treatment Needed: Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

SECTION 5: FIRE-FIGHTING MEASURES

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

Fire Fighting Methods: Use standard firefighting procedures and consider the hazards of other involved materials. Firefighters should wear full protective clothing including self-contained breathing apparatus. Use water spray to cool unopened containers. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire and Explosion Hazards: No unusual fire or explosion hazards noted. During a fire, gases hazardous to health may be formed.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Keep upwind. Keep unnecessary personnel away from the release. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation. Use personal protection recommended in Section 8.

Methods and Materials for Containment and Cleaning Up: Sweep up or gather material and place in appropriate container for disposal. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Contain the spill, then place in a suitable container. Minimize dust generation. For waste disposal, see section 13 of the SDS.

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Environmental precautions: Keep out of drains, sewers, ditches, and waterways.

SECTION 7: HANDLING AND STORAGE

Handling: Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Do not breathe dust. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. Do not taste or swallow. Use only in well-ventilated areas. Handle and open container with care. Wear appropriate NIOSH approved dust mask or filtering facepiece if dust is generated. Do not eat or drink while using the product. Wash hands before eating, drinking, or smoking.

Storage: Keep the container tightly closed and dry. Store in a covered, dry, climate controlled area, away from incompatibles.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

COMPONENTS	TYPE	VALUE	FORM
US OSHA Table Z-3: Calculated Time Weighted Average (TWA) (mg/m³)			
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)	TWA	4.3 mg/m ³	Total Dust
		3.3 mg/m ³	Respirable
US OSHA Table Z-1: Limits for Air Contaminants (29 CFR 1910-1000)			
GYPSUM CALCIUM SULFATE (CAS 10101-41-4)	PEL	5 mg/m ³	Respirable Fraction
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)		15 mg/m ³	Total Dust
US ACGIH Threshold Limit Values: Time Weighted Average (TWA): mg/m³, non-standard units			
GYPSUM CALCIUM SULFATE (CAS 10101-41-4)	TWA	10 mg/m ³	Inhalable Fraction
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)	TWA	0.025 mg/m ³	Respirable Fraction
US NIOSH: Pocket Guide to Chemical Hazards			
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)	TWA	0.05 mg/m ³	Respirable Dust

Biological Limit Values: No biological exposure limits noted for the ingredient(s).

Exposure Guidelines: Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled. Exposure limits for CRYSTALLINE SILICA - The US OSHA exposure limits 8 hour TWA for CRYSTALLINE SILICA (QUARTZ) are calculated from the following equations: $30/(\%SiO_2+2)$ mg/m³ for total dust; and $10/(\%SiO_2+2)$ mg/m³ for the respirable fraction.

*Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

Engineering Controls: When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Safety glasses or goggles are recommended when using this product. Ensure compliance with OSHA's PPE standard (29 CFR 1910.132 and .133) for eye and face protection. Safety shower/eye wash fountain must be readily available in the workplace area (29 CFR 1910.151(c)).

Skin Protection: Wear appropriate chemical resistant gloves.

Respiratory Protection: A NIOSH approved dust mask or filtering face-piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

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Other Protective Equipment: Impervious protective clothing and gloves recommended to prevent drying or irritation of skin. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 138 (hand protection)). Safety shower/eye wash fountain is recommended in the workplace area (29 CFR 1910.151 (c)).

Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.

General Hygiene Conditions: Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Form:	Powder	Color:	Light grey to white
Physical State:	Solid	Odor Threshold:	Not available
Odor:	Low Odor	Melting/Freezing Point (deg. F):	2642 °F (1450 °C) estimated
pH:	Not available	Initial Boiling Point or Boiling Range:	Not applicable
Flash Point:	Not applicable	Flash Point Method:	Not applicable
Evaporation Rate (nBuAc = 1):	Not available	Flammability (solid, gas):	Not applicable
Lower Explosion Limit:	Not available	Upper Explosion Limit:	Not available
Vapor Pressure (mm Hg):	Not applicable	Vapor Density (air=1):	Not applicable
Specific Gravity or Relative Density:	2.3 - 2.7	Solubility in Water:	0.2 - 1 % at 22°C
Partition Coefficient (n-octanol/water):	Not available	Autoignition Temperature:	Not applicable
Decomposition Temperature:	Not available	Viscosity:	Not available
Flash Point Class:	Not flammable		

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Reacts with water (normal condition of use).
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Exposure to moisture.
Incompatible Materials:	Acids. Phosphorus. Diazomethane. Aluminum (at high temperatures).
Hazardous Decomposition Products:	May include and are not limited to: calcium oxide and sulfur dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion:	Harmful if swallowed.
Inhalation:	Prolonged inhalation may be harmful. Inhalation of dusts may cause respiratory irritation.
Skin Contact:	Skin contact during hardening (rehydration) may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.
Eye Contact:	Causes eye irritation. Dust in the eyes will cause irritation.

Symptoms related to the physical, chemical and toxicological characteristics Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Upper respiratory tract irritation. Skin contact during hardening (rehydration) may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

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Information on toxicological effects

Acute toxicity: Harmful if swallowed.

COMPONENT(S)	ORAL LD ₅₀ (RATS)	CARCINOGENICITY
GYPSUM (CALCIUM SULFATE)	RAT: 3000 mg/kg-MOUSE: 5824 mg/kg	Not considered to be a hazardous by OSHA/WHMIS criteria.
CRYSTALLINE SILICA (QUARTZ)	500 mg/kg	

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation: Skin contact during hardening (rehydration) may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

Serious eye damage/eye irritation: Dust in the eyes will cause irritation. Causes eye irritation.

Respiratory or skin sensitization

Respiratory sensitization: Not classified.

Skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not expected to be hazardous by OSHA criteria.

Exposure to respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by IARC and NTP as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to a respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of respirable crystalline silica exposure and the length of time (usually years) of exposure. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

IARC Monographs. Overall Evaluation of Carcinogenicity

CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity: Not classified. **Aspiration hazard:** Not available.

Specific target organ toxicity - single exposure: Not classified. **Specific target organ toxicity - repeated exposure:** Not classified.

Chronic effects: Not hazardous under normal conditions of use.

Further information: *Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not considered to be harmful to aquatic life.

PRODUCT	LC50 SPECIES	TEST RESULTS
42A PLASTERS	Fish	3137 mg/L, 96 Hours
CRYSTALLINE SILICA (QUARTZ)	Zebra danio (Danio rerio)	> 10000 mg/l, 96 Hours OECD SIDS

* Estimates for product may be based on additional component data not shown.

Persistence and degradability: No data is available on the degradability of this product.

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Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions: Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated as dangerous goods.

This product is not regulated as a hazardous material by the United States (DOT) transportation regulations.

SECTION 15: REGULATORY INFORMATION

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.

SARA 304 Emergency release notification: Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA):

	Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard
	Yes	No	No	No	No
SARA 302 Extremely hazardous substance				Not listed.	
SARA 311/312 Hazardous chemical				Not regulated.	
SARA 313 (TRI reporting)				Not regulated.	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

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US State Regulations

GYPSUM CALCIUM SULFATE (CAS 10101-41-4)

US. Massachusetts RTK - Substance List

CRYSTALLINE SILICA (QUARTZ) CAS 14808-60-7)

US. Massachusetts RTK - Substance List

US. New Jersey Worker and Community Right-to-Know Act

US. Pennsylvania Worker and Community Right-to-Know Law

US. California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories:

COUNTRY(S) OR REGION	INVENTORY NAME	ON INVENTORY (YES/NO)*
Canada	Domestic Substances List (DSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: OTHER INFORMATION

Issue Date/Revision Date:	13-Apr-15	Version #:	1
HMIS Ratings	Health: 1 Flammability: 0 Physical Hazard: 0	NFPA Ratings	Health: 1 Flammability: 0 Physical Hazard: 0

Disclaimer: This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.