

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard

SDS Number: 5279-15



SECTION I IDENTIFICATION

Product Identifier

Product Name	COOLER TAB / FRESH AIR
Product Code	5279 (Tablet) / 5255 (Cake)
Recommended Use	Evaporative Cooler Water Treatment / Industrial Plasters
Distributor Name	Dial Manufacturing Inc.
Distributor Address	25 South 51 st Avenue, Phoenix, AZ 85403
Distributor Phone Number	(602) 278-1100

SECTION II HAZARD IDENTIFICATION

Classification of Substance or Mixture

Emergency Review	This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities such as cutting, sanding, or otherwise working with this product that generate large amount of dusts. Those hazards associated with large amount of dusts are described below.	
Physical Hazards	Not Classified	
Health Hazard	Serious eye damage/eye irritation Category 2B	
Environmental Hazard	Not classified	
OSHA Defined Hazards	Not Classified	
Hazard Pictogram	None	
Single Word	Warning	
Hazard-Statement	Causes eye irritation	
Precautionary statements	P103	Read label before use.
	P280	Wear protective gloves/protective clothing/eye Protection/face protection.
	P264	Wash thoroughly after handling.
	P260	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do continue rinsing.
	P401 P501	Store away from strong acid Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)

None known

NFPA Rating
(Scale 0 - 4)



Health = 1
Fire = 0
Reactivity = 0

HMIS Rating



Health = 1
Fire = 0
Reactivity = 0

Other Hazards

Results of PBT and vPvB assessment

PBT: Not applicable
vPvB: Not applicable

SECTION III COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture

Description: Mixture of substances listed below with nonhazardous additions.

CAS Number	Chemical Components	%
10101-41-4	CALCIUM SULFATE DIHYDRATE	60 - 100%
14808-60-7	CRYSTALLINE SILICA (QUARTZ)*	1 - 5%

SECTION IV FIRST-AID MEASURES

Description of First Aid Measure

- | | |
|----------------------------|--|
| General information | a) Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |
| After inhalation | a) If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist. |
| After skin contact | a) For skin contact, wash immediately with soap and water. Get medical attention if irritation develops and persists. |
| After eye contact | a) Do not rub the eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |

After swallowing a) Rinse mouth. May result in obstruction and irritation if ingested. Get medical attention.

SECTION V FIRE-FIGHTING MEASURES

Extinguishing media

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

Unsuitable extinguishing agents None

Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

Advice for firefighters

Protective equipment Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Firefighters should wear full protective clothing including self contained breathing apparatus

Additional information No unusual fire or explosion hazards noted.

SECTION VI ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protection recommended in Section 8. Keep unnecessary personnel away. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Environmental precautions

Keep out of drains, sewers, ditches, and waterways.

Methods and material for containment and cleaning up

Minimize dust generation. Sweep up or gather material and place in an appropriate container for disposal. Utilize wet methods, if appropriate, to minimize dust. For waste disposal, see section 13 of the SDS.

Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION VII HANDLING AND STORAGE

Precautions for safe 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. Do not taste or swallow. Avoid prolonged exposure. Observe good industrial hygiene practices. Use only in well-ventilated areas. 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.

Conditions for safe storage, including any incompatibilities

Store level and keep dry. Dewpoint or other conditions causing the presence of moisture can damage the product during storage. Store away from incompatible materials (see Section 10 of the SDS).

Specific end use(s)

None

SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Occupational Exposure Limits

US OSHA Table Z-3: Calculated Time Weighted Average (TWA) (mg/m³)

	Components	Type	Value	Form
US OSHA Table Z-3	CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)	TWA	8.6 mg/m ³	Total Dust
	CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)	TWA	2.9 mg/m ³	Respirable
US. OSHA Table Z-1	CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)	PEL	5 mg/m ³	Respirable fraction

<p>Exposure guidelines</p>	<p>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..</p>
<p>Appropriate Engineering Controls</p>	<p>Score and snap method recommended. 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. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn.</p>

Exposure Control

<p>General protective and hygienic measures</p>	<ul style="list-style-type: none"> • 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. • Keep away from food, beverages and feed.
<p>Respiratory protection</p>	<ul style="list-style-type: none"> • Suitable respiratory protective device recommended. • For spills, respiratory protection may be advisable
<p>Hand Protection</p>	<ul style="list-style-type: none"> • For prolonged or repeated skin contact use suitable protective gloves
<p>Eye Protection</p>	<ul style="list-style-type: none"> • Chemical splash goggles
<p>Body Protection</p>	<ul style="list-style-type: none"> • Coverall and apron

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

<p>Appearance Form Color</p>	<p>Solid Light gray</p>
<p>Odor</p>	<p>Odorless</p>
<p>pH</p>	<p>7</p>

Initial boiling point and boiling Range	Not Applicable
Flash point	Not Applicable
Evaporation rate	Not Applicable
Flammability	Not Applicable

SECTION X STABILITY AND REACTIVITY

Reactivity	Contact with strong acids produces carbon dioxide.
Chemical stability	Material is 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).
Incompatible materials	Strong acids.
Hazardous decomposition products	May include and are not limited to: calcium oxide and sulfur dioxide.

SECTION XI TOXICOLOGICAL INFORMATION

Acute Toxicity

Hazardous Ingredient	CAS #	LD 50 of Ingredient
Calcium Sulfate Dihydrate	10101-41-4	>1,581 mg/kg - Oral rat

Primary irritant effects

Skin	Prolonged skin contact may cause temporary irritation.
Eye	Dust in the eyes will cause irritation.
Inhalation	Inhalation of dusts may cause respiratory irritation.
Ingestion	Not applicable under normal conditions of use. May cause gastrointestinal irritation if ingested
Symptoms related to the physical, chemical and toxicological characteristics	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.

Carcinogenic categories

IARC (International Agency for Research on Cancer)	CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) 1 Carcinogenic to humans
NTP (National Toxicology Program)	CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) Known To Be Human Carcinogen
	None listed
OSHA (Occupational Safety & Health Administration)	

SECTION XII ECOLOGICAL INFORMATION**Toxicity**

Ingredient Name	Result	Species	Exposure
Calcium Sulfate Dihydrate	Acute LC50 > 1970 mg/l	Fathead minnow (Pimephales promelas)	96 hours
Crystalline Silica (Quartz)	Acute LC50 > 10000 mg/l	Zebra danio (Danio rerio)	96 hours

SECTION XIII 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. Dispose of contents/container in accordance with local/regional/national/international regulations.
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.

SECTION XIV TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

SECTION XV REGULATORY INFORMATION

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.
SARA 302 Extremely hazardous substance	Not listed.
SARA 311/312 Hazardous chemical	Not listed.
SARA 313 (TRI reporting) Not	Not listed.
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not listed.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not listed.
Safe Drinking Water Act (SDWA)	Not listed.
US. Massachusetts RTK - Substance List US. New Jersey Worker and Community Right-to-Know Act US. Pennsylvania Worker and Community Right-to-Know Law	Listed Listed Listed
US. California Proposition 65	Not listed

SECTION XVI OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The information and recommendations contained herein are based upon information believed to be reliable. However, manufacturer, supplier(s) and preparer does not guarantee their accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage maybe required. Manufacturer, supplier(s) and preparer assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

END OF SDS