

# SAFETY DATA SHEET

According to OSHA Hazard Communication Standard

SDS Number: 3885.1-18



## SECTION I IDENTIFICATION

### Product Identifier

Product Name	COOLER CLEANER
Product Code	3885/5218/5225/5231
Recommended Use	Evaporator Cooler/Mist Nozzle Descalant
Distributor Name	Dial Manufacturing Inc.
Distributor Address	25 South 51 <sup>st</sup> Avenue, Phoenix, AZ 85403
Distributor Phone Number	(602) 278-1100

## SECTION II HAZARD IDENTIFICATION

### Classification of Substance or Mixture

Classification according to Regulation (EC) No 1272/2008



**GHS05  
CORROSIVE**

H290 - May be corrosive to metals  
H318 - Causes serious eye damage  
H302 - Harmful if swallowed



**GHS07  
TOXIC**

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Not Applicable




Information concerning particular hazards for human and environment

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

## Label elements - Labeling according to Regulation (EC) No 1272/2008

Hazard Pictogram		
	GHS05 CORROSIVE	GHS07 TOXIC
Single Word	DANGER	
Hazard-determining components of labeling	Urea Hydrochloride	
Hazard statements	H290 - May be corrosive to metals H318 - Causes serious eye damage H302 - Harmful if swallowed	
Precautionary statements		
P101	If medical advice is needed, have product container or label at hand.	
P102	Keep out of reach of children.	
P103	Read label before use.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P264	Wash thoroughly after handling.	
P260	Do not breathe mist/vapors/spray.	
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do continue rinsing.	
P310	Immediately call a POISON CENTER or doctor/physician.	
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.	
WHMIS-symbols	D1B - Toxic material causing immediate and serious toxic effects D2B - Toxic material causing other toxic effects E - Corrosive material	
		

NFPA Rating  
(Scale 0 - 4)



HMIS Rating  
(Scale 0 - 4)

HEALTH	3
FLAMMABILITY	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	Dangerous Components	%
506-89-8	Urea Monohydrochloride	0 - 20%

## SECTION IV FIRST-AID MEASURES

### Description of First Aid Measure

<b>General information</b>	a) Immediately remove any clothing soiled by the product. b) Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
<b>After inhalation</b>	a) Supply fresh air; consult doctor in case of complaints. b) In case of irregular breathing or respiratory arrest provide artificial respiration
<b>After skin contact</b>	a) Immediately rinse with water. b) If skin irritation continues, consult a doctor.
<b>After eye contact</b>	a) Remove contact lenses if worn, if possible. b) Rinse opened eye for several minutes under running water. Then consult a doctor.
<b>After swallowing</b>	a) Rinse out mouth and then drink plenty of water. b) Do not induce vomiting; call for medical help immediately.

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

<b>Symptoms</b>	Coughing Breathing difficulty Dizziness Gastric or intestinal disorders
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<b>Hazards</b>	Danger of gastric perforation. Danger of pulmonary oedema. Danger of impaired breathing.
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## Indication of any immediate medical attention and special treatment needed

If necessary oxygen respiration treatment.  
Medical supervision for at least 48 hours.

## SECTION V FIRE-FIGHTING MEASURES

### Extinguishing media

<b>Suitable extinguishing agents</b>	CO <sub>2</sub> , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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<b>Unsuitable extinguishing agents</b>	None
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### Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

### Advice for firefighters

<b>Protective equipment</b>	Wear self-contained respiratory protective device. Wear fully protective suit.
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<b>Additional information</b>	Cool endangered receptacles with water spray
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## SECTION VI ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear protective equipment.  
Keep unprotected persons away.  
Ensure adequate ventilation.

## Environmental precautions

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Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water

## Methods and material for containment and cleaning up

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Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Clean the affected area carefully; suitable cleaners are:  
Warm water

## Reference to other sections

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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

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- a) Ensure good ventilation/exhaustion at the workplace.
- b) Prevent formation of aerosols.
- c) Do not ingest.
- d) Avoid contact with eyes, skin and clothing.
- e) Avoid breathing vapor or mist.

### Conditions for safe storage, including any incompatibilities

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Requirements to be met by storerooms and receptacles:

- a) Store in a cool location
- b) Avoid storage near extreme heat, ignition sources or open flame.
- c) Don't reuse empty container.
- d) Unsuitable material for receptacle: aluminum.

Information about storage in one common storage facility:

- a) Store away from food.
- b) Store away from oxidizing agents.
- c) Do not store together with alkalis (caustic solutions).

Further information about storage conditions:

- a) Store in cool, dry conditions in well sealed receptacles.
- b) Store receptacle in a well ventilated area.
- c) Keep container tightly sealed.

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**Specific end use(s)** **None**

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## SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

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

### Occupational Exposure Limits

OSHA (PEL): Not Established  
AGCIH (TWA): Not established

### Control Parameters

Good general ventilation should be sufficient to control worker exposure to airborne contaminants & fumes.

### Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### Exposure Control

<b>General protective and hygienic measures</b>	<ul style="list-style-type: none"> <li>• Keep away from food, beverages and feed.</li> <li>• Immediately remove all soiled and contaminated clothing.</li> <li>• Wash hands before breaks and at the end of work.</li> <li>• Avoid contact with the eyes and skin.</li> </ul>
<b>Respiratory protection</b>	<ul style="list-style-type: none"> <li>• Suitable respiratory protective device recommended.</li> <li>• For spills, respiratory protection may be advisable</li> </ul>
<b>Hand Protection</b>	<ul style="list-style-type: none"> <li>• Neoprene, butyl or nitrile rubber glove with cuffs</li> </ul>
<b>Eye Protection</b>	<ul style="list-style-type: none"> <li>• Chemical splash goggles</li> </ul>
<b>Body Protection</b>	<ul style="list-style-type: none"> <li>• Coverall and apron</li> </ul>

## SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

#### General Information

#### Appearance

Form	Fluid
Color	Blue

Odor	Acidic
Odor Threshold	Not Determined
Change in condition	
Melting point/Melting range	Undetermined
Boiling point/Boiling range	100 °C (212 °F)
pH	<1.0
Flash point	Not applicable
Flammability (solid, gaseous)	Non-Flammable
Ignition temperature	Not determined
Decomposition temperature	Not determined
Auto igniting	Product is not self-lighting
Danger of explosion	Product does not present an explosion hazard
Explosion limits	
Lower	Not determined
Upper	Not determined
Vapor pressure	Not determined
Density	Not determined
Relative density	8.59 lbs/gal
Vapor density	Not determined
Evaporation rate	(BuAc=1) <.01
Solubility in/Miscibility with Water	Fully miscible
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not determined
Kinematic	Not determined
Other information	No further relevant information

**SECTION X****STABILITY AND REACTIVITY****Reactivity**

No specific test data related to reactivity available for this product or its ingredients

**Chemical stability** Stable

**Conditions to avoid** No specific data

**Possibility of hazardous reaction** No dangerous reactions known

**Incompatible materials** Reactive or incompatible with the following materials: oxidizing materials. This material may be extremely hazardous in contact with chlorates and nitrates. Contact with hypochlorites (e.g. Chlorine bleach, sulfides or cyanides) will liberate toxic gases. Contact with alkaline materials (e.g. Aqua ammonia) will generate heat.

## SECTION XI TOXICOLOGICAL INFORMATION

### Acute Toxicity

Hazardous Ingredient	CAS #	LD 50 of Ingredient
Urea Monohydrochloride	506-89-8	1120.9 mg/kg - Oral rat

### Primary irritant effects

**Eye** Corrosive

### Carcinogenic categories

**IARC (International Agency for Research on Cancer)** None listed

**NTP (National Toxicology Program)** None listed

**OSHA (Occupational Safety & Health Administration)** None listed

## SECTION XII ECOLOGICAL INFORMATION

### Toxicity

Ingredient Name	Result	Species	Exposure
Organic acid salt	Acute LC50 71 mg/l	Ceriodaphnia dubia	48 hours
Organic acid salt	Acute LC0 > 142 mg/l	Rainbow Trout	96 hours
<b>Aquatic toxicity</b>	No further relevant information available		



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Persistence and degradability	No further relevant information available
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**Behavior on the environmental system**


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Bioaccumulative potential	No further relevant information available
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Mobility in soil	No further relevant information available
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**Additional Ecological information**


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General Notes	Biodegradable
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**Results of PBT and vPvB assessment**


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PBT	Not applicable
vPvB	Not applicable

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**SECTION XIII DISPOSAL CONSIDERATIONS**


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**Waste treatment methods (Recommendation)**


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Biodegradable.

This product has been evaluated for RCRA characteristics and does not meet the criteria for a hazardous waste, if discarded in its purchased form.

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**Uncleaned packaging (Recommendations)**


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Neutralize waste fluids with soda ash.

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

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**SECTION XIV TRANSPORT INFORMATION**


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**UN-Number**

DOT, ADR	Not Regulated
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IMDG, IATA	UN1760
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## UN proper shipping name

DOT, ADR	Not Regulated
IMDG, IATA	CORROSIVE LIQUID, N.O.S. (Urea Hydrochloride)

## Transport hazard class(es)

DOT	
Class	Not Regulated
ADR	
Class	Not Regulated
IMDG, IATA	
Class	8

## Packing group

DOT	Not Regulated
IMDG, IATA	III

## Environmental hazards

Marine pollutant	No
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## Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## Transport/Additional information

DOT	Exempt under DOT 49 CFR 173.154(d). This material is corrosive to aluminum only. Not corrosive to mild steel and skin
IMDG	This material is corrosive to aluminum only. Not corrosive to mild steel and skin
IATA	This material is corrosive to aluminum only. Not corrosive to mild steel and skin
UN "Model Regulation"	Not Regulated

**SECTION XV****REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture  
United States (USA)

**SARA**

Section 355 (extremely hazardous substances)	None of the ingredients is listed.
Section 313 (Specific toxic chemical listings)	None of the ingredients is listed.
TSCA (Toxic Substances Control Act)	506-89-8 Urea Hydrochloride

**Proposition 65 (California)**

Chemicals known to cause cancer	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males	None of the ingredients is listed.
Chemicals known to cause developmental toxicity	None of the ingredients is listed.

**Carcinogenic Categories**

EPA (Environmental Protection Agency)	None of the ingredients is listed.
IARC (International Agency for Research on Cancer)	None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients is listed.
NIOSH (National Institute for Occupational Safety and Health)	None of the ingredients is listed.
OSHA (Occupational Safety & Health Administration)	None of the ingredients is 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.

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