

1. PRODUCT IDENTIFICATION AND MANUFACTURER

1.1. Product Identifier

Trade Name: Chupol CI
CAS Number: Mixture/Proprietary

1.2. Relevant identified uses of the substance/mixture and uses advised against

Product Use: Concrete Additive
Uses Advised Against: None known

1.3. Supplier Details

Address: Goulston Technologies, Inc. P.O. Box 5025, Monroe, NC 28111
Phone: (704)289-6464
e-mail: safety@goulston.com

1.4. Emergency Phone Number

1-352-323-3500 (InfoTrac)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance/mixture

Classification According to EU Regulation 453/2010/EC: C-Corrosive
Hazards: Corrosive to the eyes

Classification According to GHS
Eye irritation- Category 1

Adverse human health and environmental effects:
No data available

2.2. Label Elements

Labeling According to GHS



Pictogram:

Signal Word: Danger

Hazard Statements: Causes serious eye damage (H318)

Precautionary Statements: Wash hands and face thoroughly after handling (P264)
Wear eye protection/face protection and protective gloves (P280).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Immediately call a POISON CONTROL CENTER/doctor if exposed to the eyes (P310)

2.3. Hazards

No data available

2.4. Remarks
None

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

COMPONENT	CAS#	PERCENT
Calcium Nitrate Tetrahydrate	10124-37-5	<2
Calcium Nitrite	13780-06-8	30-32

4. FIRST AID MEASURES

4.1. Description of First Aid Measures

Inhalation: Remove victim to fresh air; get medical attention if trouble breathing
Skin: Flush with generous amounts of water; get medical attention if rash or irritation develops
Eye: Flush with generous amounts of water; get medical attention if stinging or vision problems persist
Ingestion: Do not induce vomiting; get immediate medical attention

4.2. Most important symptoms and effects, both acute and delayed
Serious eye irritation and damage

4.3. Indication of any immediate medical attention and special treatment needed
None known

5. FIRE FIGHTING MEASURES

5.1. Extinguishing Media

Suitable: Dry chemical, foam carbon dioxide; Water may be used to cool fire-exposed containers
Unsuitable: None known

5.2. Special Hazards

None known
Combustion Products: Thermal decomposition products may include, but not limited to, oxides of carbon, and nitrogen

5.3. Advice for Fire Fighters

Full protective clothing including NIOSH approved self-contained, positive pressure or pressure demand breathing apparatus; do not flush down drains or sewers

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions

Avoid contact with material; contact appropriate spill clean-up personnel

6.2. Environmental Precautions

Do not allow material to reach natural waterways or drains/sewers

6.3. Clean-up Methods

Use absorbent material to collect small spills for disposal/dikes and vacuum pumps should be used to contain and remove large spills

6.4. Reference to other sections

Refer to Sections 8 and 13

- 6.5. Hazchem Code
Not applicable

7. HANDLING AND STORAGE

7.1. Safe Handling

Do not get in eyes, on skin or clothing; do not breathe vapors or mists; keep container closed; use only with adequate ventilation; use good personal hygiene practices; keep away from heat and flame

7.2. Safe Storage

Store in tightly closed containers in cool, dry, well-ventilated area away from heat or sources of ignition
Store at ambient temperature out of direct sunlight
Empty containers may contain irritating or combustible residue or vapors

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits: None established

8.2. Exposure Controls

Special Engineering Measures: None Required

Hand Protection: Gloves- impermeable (also consider your own risk assessment; i.e. breakthrough times, rates of diffusion and degradation, tasks undertaken)

Eye Protection: Chemical safety goggles or glasses

Respiratory Protection: Respiratory protection is not normally required if good ventilation is maintained and exposure guidelines are not exceeded

Other Information: Eye bath and safety shower; avoid contact with skin and eyes; wash hands before and after breaks and immediately after handling the product; Do not allow material to enter drains/sewers or natural waterways

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Basic Properties

Physical State: Liquid
Color: Clear yellow
Odor/Odor Threshold: Characteristic odor/No data available
pH @25 °C: ~10.8
Melting Point, °C: Not measured
Solidification Point, °C: Not measured
Boiling Point, °C: Not measured
Flash Point, °C: >100
Relat. evapor. rate comp to butylacetate: N/A
Flammability (solid, gas): N/A
Explosive limits: Not explosive
Vapor pressure: Not measured
Relative vapor density at 20C: Not measured
Relative density: Not measured
Solubility in Water: Soluble
Log Pow: No data available
Self-ignition temperature: No data available
Decomposition temperature: No data available

Viscosity, @25 °C, cSt: Not measured
Explosive Properties: Not explosive
Oxidizing Properties: Not applicable

9.2. Other Properties
Percent Volatiles: ~70 (as water)

10. CHEMICAL STABILITY AND REACTIVITY

- 10.1. Reactivity
Hazardous polymerization will not occur
- 10.2. Chemical Stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None under normal conditions
- 10.4. Conditions to Avoid
None known
- 10.5. Incompatible Materials
Strong acids, bases; Oxidizing and reducing agents
- 10.6. Hazardous decomposition products
Decomposition Products: Thermal decomposition products may include, but not limited to, oxides of carbon, and nitrogen

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not classified
Irritation: Not classified
Corrosivity: Product not tested. Classified by GHS for Eye Irritation/Damage- Category 1
Sensitization: Not classified
Repeated dose toxicity: Not classified
Carcinogenicity: Not classified
Mutagenicity: Not classified
Reproductive toxicity: Not classified

12. ECOLOGICAL INFORMATION

- 12.1. Toxicity
Ecology-general: This product is not classified as hazardous to the environment
Aquatic Toxicity: No data available
- 12.2. Persistence and Degradability
No data available
- 12.3. Bioaccumulative potential
No information available

- 12.4. Mobility in soil
Accidental spillage may lead to penetration in the soil and groundwater; No information available on soil mobility
- 12.5. Results of PBT and vPvB assessment
This information is not available
- 12.6. Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

- 13.1. Waste Disposal Recommendations
Do not allow material to drain into sewers/water supplies; Do not contaminate ponds, waterways or ditches
Use appropriate guidelines to dispose of containers
- 13.2. Waste Code
Should be assigned by the user
- 13.3. Additional information
Empty containers should be taken for recycle, recovery or waste in accordance with local regulation

14. TRANSPORT INFORMATION

49 CFR-DOT Not Regulated

UN-number: Hazard Class: Packing Group:
UN proper shipping name:

IATA Not Regulated

UN-number: Hazard Class: Packing Group:
UN proper shipping name:

IMDG Not Regulated

UN-number: Hazard Class: Packing Group:
UN proper shipping name:

ADR Not Regulated

UN-number: Hazard Class: Packing Group:
UN proper shipping name:

RID Not Regulated

UN-number: Hazard Class: Packing Group:
UN proper shipping name:

ADN Not Regulated

UN-number: Hazard Class: Packing Group:
UN proper shipping name:

15. REGULATORY INFORMATION

- 15.1. German Water Classification: No information available

15.2. US Regulations

Inventory Status:	All components are on the TSCA inventory or meet one of the exemptions
SARA 311/312:	Acute
SARA 313:	1.0% de minimis concentration (reportable only when in aqueous solution), chemical category N511- related to Nitrate Compounds, water dissociable
California Prop. 65:	This product may contain the following material(s) known to the state of California to cause cancer, birth defects or other reproductive harm: None greater than 0.1%
State Right-to-Know:	NJ-Calcium Nitrate Tetrahydrate

16. OTHER INFORMATION

Changes and/or Additions: Section 2, 3, 4, 11, 15

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release 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 or in any process, unless specified in the text.