

1. PRODUCT IDENTIFICATION AND MANUFACTURER

1.1. Product Identifier

Trade Name: Chupol N20
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: Xi-Irritant
Hazards: Irritating to the eyes and respiratory system (for MIST only)

Classification According to GHS
Acute Toxicity-Oral-Category 4
Acute Toxicity-Dermal-Category 4
Acute Toxicity-Inhalation-Category 4 (FOR MIST ONLY)
Eye Irritation-Category 2B
Skin Irritation-Category 3

Adverse human health and environmental effects:
No data available

2.2. Label Elements

Labeling According to GHS

Pictogram:



Signal Word:

Warning

Hazard Statements:

Harmful if swallowed (H302)
Harmful in contact with skin (H312)
Harmful if inhaled (H332)
Causes eye irritation (H320).
Causes mild skin irritation (H316)

Precautionary Statements:

Wash hands and face thoroughly after handling (P264).
Wear eye protection/ face protection (P280).

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell (P301 + P312)
Rinse mouth (P330)
IF ON SKIN: Wash with plenty of water (P302 + P352)
Take off contaminated clothing and wash it before reuse (P362 + P364)
Avoid breathing mist/spray (P261)
Use only outdoors or in a well-ventilated area (P271).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
If eye irritation persists: Get medical advice/attention (P337+P313).
If skin irritation occurs: Get medical advice/attention (P332+P313).
IF INHALED: Remove person to fresh air and keep comfortable for breathing (P304+P340)
Call a POISON CENTER/doctor if you feel unwell (P312)
Store locked up (P405).
Dispose of contents/container to an approved waste disposal plant (P501)

2.3. Hazards
No data available

2.4. Remarks
None

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

COMPONENT	CAS#	PERCENT
Glutaraldehyde	111-30-8	0.1-1.0
Sodium Hydroxide 50%	1310-73-2	< 1
2,2',2" - nitrilotriethanol	102-71-6	7 - 10

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

Mild skin irritation
Eye irritation

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, 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:	Dark brown
Odor/Odor Threshold:	Characteristic odor/No data available
pH, @25 °C:	~ 8.0
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
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:	Not measured
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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 combustion products may include oxides of carbon, nitrogen

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Mixture classified as Oral Toxicity-Category 4, Dermal Toxicity-Category 4 Inhalation Toxicity-Category 4, if the product is MISTED. If used according to technical advice, mist should not

	be produced. Do NOT swallow.
Irritation:	Product not tested. Classified as eye irritant and mild skin irritant.
Corrosivity:	Not classified
Sensitization:	Not classified
Repeated dose toxicity:	Not classified
Carcinogenicity:	Not classified; No components listed by NTP, IARC as a carcinogen.
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: None

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: None greater than 0.1%

16. OTHER INFORMATION

Changes and/or Additions: No changes made; new format only

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.