

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Identification**

Product name : CGC-1288, CGC-5288  
Product code : G-25J, 75012, 75052, 75552

**1.2. Recommended Use of the Chemical & Restrictions on Use**

Recommended use : Synthetic grinding fluid  
Uses advised against : No information available.

**1.3. Details of the supplier of the safety data sheet**

Distributed by : Goodson Manufacturing Company  
156 Galewski Drive  
Winona, MN 55987-0847 - USA  
T 507-452-1830

**1.4. Emergency telephone number**

Emergency number : 800-924-6804 (24 hour)

**SECTION 2: Hazard(s) identification**

**2.1. Classification of the substance or mixture**

Classification : This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)  
Skin Corrosion / Irritation : Category 1, Subcategory 1B  
Serious Eye Damage / Eye Irritation : Category 1  
STOT - SE : Category 3

**2.2. Label elements**

GHS-US labeling  
Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : May cause severe skin burns and eye damage  
May cause drowsiness or dizziness  
May cause respiratory irritation  
Precautionary statements (GHS-US) : Wear eye/face protection.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
General advice : Immediately call a POISON CENTER or doctor/physician.  
Specific treatment (see supplemental instruction on the administration of antidotes on this label)  
Eyes : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.  
Skin : IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin with water/shower.  
Wash contaminated clothing before reuse.

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- Inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Ingestion : IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
- Storage : Store in a well-ventilated place. Keep container tightly closed.
- Disposal : Dispose of contents / container to an approved waste disposal plant.

**2.3. Other hazards**

- Hazards not other classified : No additional information available.
- Other Information : < 1% of the mixture consists of ingredient(s) of unknown toxicity.

**SECTION 3: Composition/information on ingredients**

Chemical Name	CAS #	Weight %	Trade Secret
Triethanolamine	102-71-6	10 - 20	*
Ethanolamine	141-43-5	5 - 10	*
Boric Acid	10043-35-3	5 - 10	*
Diisopropanolamine	110-97-4	3 - 7	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**SECTION 4: First Aid Measures**

**4.1. Description of first aid measures**

- Eye Contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or Poison Control Center immediately.
- Skin Contact : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or Poison Control Center immediately.
- Inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or Poison Control Center immediately.
- Ingestion : Rinse mouth. Do NOT induce vomiting. Call a physician or Poison Control Center immediately.
- Protection of First-aiders : Use personal protective equipment. Avoid contact with skin, eyes and clothing.

**4.2. Most important symptoms and effects, both acute and delayed**

- Symptoms/injuries : Dizziness  
 Serious Eye Irritation or Damage  
 Burn  
 Drowsiness  
 Irritation

**4.3. Indication of any immediate medical attention and special treatment needed**

- Note to Physician : Treat symptomatically

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None.

**5.2. Special hazards arising from the substance or mixture**

- General Information : This product causes burns of the eyes, skin and mucous membranes. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

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156 Galewski Drive • P.O. Box 847 • Winona, MN 55987-0847  
Toll-Free 1-800-533-8010 • Local 507-452-1830 • www.goodson.com

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#### 5.3. Explosion Data

- Sensitivity to Mechanical Impact : None.  
Sensitivity to Static Discharge : None.

#### 5.4. Advice for firefighters

- Protection during firefighting : As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- Personal Precautions : Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

#### 6.2. Environmental precautions

- Environmental Precautions : Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

#### 6.3. Methods and material for containment and cleaning up

- Methods for containment : Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.  
Methods for cleaning up : Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use personal protective equipment. Sweep up and shovel into suitable containers for disposal.

#### 6.4. Reference to other sections

See Section 12 for additional Ecological Information.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure adequate ventilation.  
: Do not get in eyes, on skin or on clothing.  
: Do not breathe vapors or mist.  
: Wear personal protective equipment.  
Hygiene Measures : Wash thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container tightly closed.  
: Store in original container.  
: Keep locked up.  
Incompatible products : Strong oxidizing agents.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Triethanolamine 102-71-6	TWA: 5mg/m <sup>3</sup>	-	-
Ethanolamine 141-43-5	STEL: 6ppm TWA: 3ppm	TWA: 3 ppm TWA: 6mg/m <sup>3</sup> (vacated) TWA: 3 ppm (vacated) TWA: 8mg/m <sup>3</sup> (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m <sup>3</sup>	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>
Boric Acid 10043-35-3	TWA: 2mg/m <sup>3</sup> inhalable fraction STEL: 6mg/m <sup>3</sup> inhalable fraction	"	"

**8.2. Appropriate Engineering Controls**

- Engineering Measures :
- : Showers.
  - : Eyewash stations.
  - : Ventilation systems.

**8.3. Individual Protection Measures**

- Eye/Face Protection : Tightly fitting safety goggles.
- Skin and Body Protection : Wear protective gloves/clothing.
- Respiratory Protection :
- : If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
  - : Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
- Hygiene Measures : When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical State	: Liquid	
Appearance	: Dark Green	
Odor	: Amine	
Odor Threshold	: No information available	
<b>Property</b>	<b>Values</b>	<b>Remarks/ - Method</b>
pH	9.8	at 10%
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	100 °C / 212 °F	None known
Flash Point	>93 °C / >200 °F	PMCC
Evaporation rate	<1	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor Pressure	No data available	
Vapor Density	>1	None known

**9.1. Information on basic physical and chemical properties (continued)**

Property	Values	Remarks/ - Method
Specific Gravity	1.08	None known
Water Solubility	Soluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	
VOC Content (%)	No data available	

**SECTION 10: Stability and reactivity**

Reactivity	: No data available.
Chemical Stability	: Stable under recommended storage conditions.
Possibility of Hazardous Reactions	: None under normal processing.
Hazardous Polymerization	: Hazardous Polymerization does not occur.
Conditions to Avoid	: None known based on information supplied.
Incompatible Materials	: Strong Oxidizing Agents.
Hazardous Decomposition Products	: Carbon oxides, Nitrogen oxides (NOx).

**SECTION 11: Toxicological information**

**11.1. Information on Likely Routes Of Exposure**

Product Information	: Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	: May cause irritation of respiratory tract. May cause drowsiness and dizziness.
Eye Contact	: Causes serious eye damage.
Skin Contact	: Causes severe skin burns.
Ingestion	: Ingestion causes burns of the upper digestive and respiratory tract.

**11.2. Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	90 ml/kg ( Rat )	-	-
Triethanolamine	= 4190 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit ) > 16 mL/kg ( Rat )	-
Boric acid	= 2660 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	>0.16 mg/L ( Rat ) 4 h
Ethanolamine	= 1720 mg/kg ( Rat )	= 1 mL/kg ( Rabbit ) = 1025 mg/kg ( Rabbit )	-
Diisopropanolamine	= 4765 mg/kg ( Rat )	= 8000 mg/kg ( Rabbit ) = 16000 mg/kg ( Rat )	-

**11.3 Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms	: Irritation.
	: May cause drowsiness and dizziness.

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**11.4 Delayed & immediate effects and chronic effects from short & long term exposure**

Sensitization : No information available.  
 Mutagenic Effects : No information available.  
 Carcinogenicity : Contains no ingredients above reportable quantities listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Triethanolamine		Group 3		
Boric acid		-		-

ACGIH : American Conference of Governmental Industrial Hygienists  
 None

IARC : International Agency for Research on Cancer  
 Group 3

OSHA : Occupational Safety & Health Administration  
 X - Present

Reproductive Toxicity : No information available.

STOT - single exposure : May cause respiratory irritation.

STOT - repeated exposure : No information available.

Aspiration Hazard : No information available.

**11.5 Numerical measures of toxicity – Product**

Acute Toxicity : <1% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral : 8199 mg/kg; Acute toxicity estimate

LD50 Dermal : 11866 mg/kg; Acute toxicity estimate

**SECTION 12: Ecological information**

**12.1. Ecotoxicity**

The environmental impact of this product has not been fully investigated.

<1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Triethanolamine 102-71-6	EC <sub>50</sub> 72h:=216mg/L (Desmodesmus subspicatus) EC <sub>50</sub> 96h: = 169 mg/L (Desmodesmus subspicatus)	LC <sub>50</sub> 96h: 10600-13000 mg/L flow-through (Pimephales promelas) LC <sub>50</sub> 96h: >1000 mg/L static (Pinephales promelas) LC <sub>50</sub> 96h: 450-1000 mg/L: static (Lepomis macrochirus)		EC <sub>50</sub> 24h:=1386 mg/L (Daphnia Magna)
Boric Acid 10043-35-3		LC <sub>50</sub> 72h:=1020 mg/L flow- through (Carassius Auratus)		EC <sub>50</sub> 48h: 115-153 mg/L (Daphnia Magna)
Ethanolamine 141-43-5	EC <sub>50</sub> 72h:=15mg/L (Desmodesmus Subspicatus)	LC <sub>50</sub> 227mg/L Pimephales Promelas 96h flow-through LC <sub>50</sub> 3684 mg/L Brachydanio rerio 96h static LC <sub>50</sub> 300-1000 mg/L Lepomis Macrochirus 96h static LC <sub>50</sub> 114-196 mg/L Oncorhynchus mykiss 96h static LC <sub>50</sub> >200mg/L Onchohynchus mykiss 96h flow-through	EC <sub>50</sub> =110 mg/L 17h EC <sub>50</sub> =12200 mg/L 2h EC <sub>50</sub> =13.7 mg/L 30min	EC <sub>50</sub> 48h:=65 mg/L (Daphnia Magna)
Diisopropanolamine 110-97-4	EC <sub>50</sub> 72h:=270 mg/L (Desmodesmus Subspicatus)	LC <sub>50</sub> 96h: 1000-2200 mg/L static (Brachydanio rerio) LC <sub>50</sub> 96h: 1000-2200 mg/L static Leuciscus idus)		EC <sub>50</sub> 48h:=277.7 mg/L (Daphnia Magna Straus)

**12.2 Persistence and Degradability**

No information available.

**12.3 Bioaccumulation**

No information available.

Chemical Name	Log Pow
Triethanolamine 102-71-6	-2.53
Ethanolamine 141-43-5	-1.91
Boric acid 10043-35-3	-0.757
Diisopropanolamine 110-97-4	-0.79

**12.4 Other Adverse Effects**

No information available.

**SECTION 13: Disposal considerations**

- Waste disposal recommendations : This material, as supplied, is not a hazardous waste according to Federal regulations (40CRF 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional or local regulations for additional requirements.
- Contaminated packaging : Do no reuse empty containers.

**SECTION 14: Transport information**

- DOT : Not regulated
- TDG : Not regulated
- MEX : Not regulated

**SECTION 15: Regulatory information**

**15.1. International Inventories**

TSCA : Complies

**Legend**

- TSCA : United State Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL : Canadian Domestic Substances List/Non-Domestic Substances List

**15.2 U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

- Acute Health Hazard : Yes
- Chronic Health Hazard : No
- Fire Hazard : No
- Sudden Release of Pressure Hazard : No
- Reactive Hazard : No

- Clean Water Act : This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40CFR 122.42).
- CERCLA : This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### 15.3 U.S. State Regulations

- California Proposition 65 : This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Diethanolamine	111-42-2	Carcinogen

### 15.4 U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Triethanolamine	X	X	X		X
Boric acid				X	
Ethanolamine	X	X	X	X	X
Diisopropanolamine		X	X		

### 15.5 U.S. EPA Label Information

- EPA Pesticide Registration Number : Not applicable

### SECTION 16: Other information

NFPA	Health Hazard 1	Flammability 1	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 1	Physical Hazard 0	Personal Protection X

\*Indicates a chronic health hazard.

- ACGIH TLV : American Conference of Governmental Industrial Hygienists - Threshold Limit Value
- OSHA PEL : Occupational Safety and Health Administration - Permissible Exposure Limits
- NIOSH IDLH : Immediately Dangerous to Life or Health

- Revision Date : 16-July-2015
- Revision Note : No information available.
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