

MATERIAL SAFETY DATA SHEET

CGC-10/CGC-50

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

GOODSON
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1. IDENTIFICATION

Part No.: CGC-10, CGC-50

CAS Number: Not applicable for mixtures.

Synonyms: None

Generic Chemical Name: Mixture

Product Type: Metalworking fluid additive. Crankshaft Grinder Coolant. (1 gal., 5 gal.)

Emergency Phone: 800-688-4005 (24 hours)

2. HAZARDS IDENTIFICATION

Appearance: Clear Liquid

Odor: Ammonia

Principal Hazards CAUTION:

Aerosols or dusts may be harmful if inhaled.

May cause eye irritation.

Prolonged or repeated contact may cause dermatitis.

May cause chronic health effects.

Target Organs: Kidney, Liver

This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200
See Section 11 for complete health hazard information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

<u>Comp</u>	<u>CAS #</u>	<u>% by Wt</u>	<u>Carcinogen</u>
Alkanolamine	Confidential	From 5 to 9.9%	N/E
Triethanolamine	102-71-6	From 5 to 9.9%	N/E
Polyether	Confidential	From 0.1 to 0.9%	N/E
Ethanolamine	141-43-5	<0.1%	N/E
Sodium pyrrithione	Confidential	<0.1%	N/E

(N/E = None Established)

4. FIRST AID MEASURES

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Skin: Wash with soap and water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove exposed person to fresh air if adverse effects are observed.

Oral: DO NOT INDUCE VOMITING. Get medical attention immediately.

Additional Information: Get medical attention advice if you feel unwell.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable.

Extinguishing Media: CO₂, dry chemical, foam, water spray, water fog.

Firefighting Procedures: Recommend wearing self-contained breathing apparatus.

Unusual Fire & Explosion Hazards: Material will not burn. Container may rupture on heating.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Do not dispose in landfill. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

7. HANDLING AND STORAGE

Pumping Temperature: Not determined.

Maximum Handling Temperature: Not determined.

Handling Procedures: Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspect cancer causing nitrosamines could be formed. Do not breath dust, fumes, gas, mist, vapors or spray. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

Maximum Storage Temperature: 49°C, 120.2°F

Storage Procedures: No special storage precautions required.

Leaking Temperature: Not determined.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits:

Comp	OSHA		ACGIH		OTHER	
	TWA	STEL	TWA	STEL	TWA	STEL
Triethanolamine	N/E	N/E	5 mg/cu.M		N/E	N/E
Ethanolaminic	3 ppm	N/E	3 ppm	6 ppm	N/E	N/E

(s) - Skin Exposure

(p) - Proposed Limit

(c) - Ceiling Exposure

(l) - Recommended Exposure Limit

(u) - Supplier Recommended Exposure Limit

(N/E) - None Established

Other Exposure Limits: None Known.

Engineering Controls: Use with adequate ventilation.

Glove Procedure: Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.

Eye Protection: Monogoggles

Respiratory Protection: Use NIOSH/MSHA approved full face respirator with a combination organic vapor and high efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this mate-

rial. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Clothing Recommendation: Wear a chemically protective apron when contact with material may occur. When working with heated material, wear an insulated apron or an insulated chemical protective suit. Use neoprene or nitrile rubber boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point:	Not Applicable.
Upper Flammable Limit:	Not Determined.
Lower Flammable Limit:	Not Determined.
Autoignition Point:	Not Determined.
Explosion Data:	Material does not have explosive properties.
Vapor Pressure:	Not Determined.
pH:	9.6
Specific Gravity:	1.03 (15.6°C)
Bulk Density:	8.62 lb/gal, 1.03 Kg/L
Water Solubility:	Soluble.
Percent Solid:	Not Determined.
Percent Volatile:	Unknown.
Volatile Organic Compound:	Not Determined.
Vapor Density:	Not Determined.
Evaporation Rate:	Not Determined.
Odor:	Ammonia.
Appearance:	Clear Liquid.
Viscosity:	Unknown.
Odor Threshold:	Unknown.
Boiling Point:	100°C, 212°F (Typical)
Pour Point Temperature:	Not Determined.
Melting/Freezing Point:	0°C, 32°F

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10. STABILITY AND REACTIVITY

Stability: Material is normally stable at moderately elevated temperatures and pressures.

Decomposition Temperature: Not determined.

Incompatibility: Strong oxidizing agents. This material contains amine. Do not add nitrite or other nitrosating agents due to the potential for nitrosamine formation.

Polymerization: Will not occur.

Thermal decomposition: Thermal decomposition and combustion are not expected to occur except under extreme conditions.

Conditions to avoid: Not determined.

11. TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE

Eye Irritation: Weak to moderate eye irritant. Does not meet Canadian D2B or EU R36 criteria. Based on data from components and similar materials.

Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated contact may cause dermatitis.

Respiratory Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components and similar materials.

Dermal Toxicity: The following estimated LD 50 is based on incomplete data on components. The LD50 in rabbits is >2000mg/Kg. Based on data from components or similar materials.

Inhalation Toxicity: Aerosols of this material may be toxic by inhalation. Based on data from components or similar materials.

Oral Toxicity: The following estimated LD 50 is based on incomplete data on components. The LD50 in rats is >5000 mg/kg. Based on data from components or similar materials.

Dermal Sensitization: There are literature reports that skin contact with triethanolamine may cause sensitization and an allergic skin reaction in a small portion of individuals.

Inhalation Sensitization: No data available to indicate product or components may be respiratory sensitizers.

CHRONIC EXPOSURE

Chronic Toxicity: Repeated overexposure to alkanolamines may cause liver and kidney damage.

Carcinogenicity: No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity: No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

ADDITIONAL INFORMATION

Other: No other health hazards known.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY

Freshwater Fish Toxicity: The acute LC50 is 10 - 100 mg/L based on component data.

Freshwater Invertebrates Toxicity: Not Determined.

Algal Inhibition: Not Determined.

Saltwater Fish Toxicity: Not Determined.

Saltwater Invertebrates Toxicity: Not Determined.

Bacteria Toxicity: Not Determined.

Miscellaneous Toxicity: Not Determined.

ENVIRONMENTAL FATE

Biodegradation: At least 75% of the components in this product show rapid biodegradation based on OECD 301-type test data. At least 75% of the components in this product show rapid biodegradation based on OECD 302-type test data.

Bioaccumulation: 25% or greater of the components display no potential to bioconcentrate.

Soil Mobility: Not determined.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

14. TRANSPORT INFORMATION

ICAO/IATA (US): Not Regulated

ICAO/IATA (International): Not Regulated.

