

CYCLO[®] INDUSTRIES, LLC

MATERIAL SAFETY DATA SHEET

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This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If Cyclo Industries, LLC considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

SECTION 1 — PRODUCT IDENTIFICATION

Product Name: C-53 Cyclo[®] Coolant Booster

Hazardous Material Description: DOT & IMDG: Non-Hazardous Chemical Blend
Water Based Radiator Product

NFPA Code: HEALTH = 3 FIRE = 0 REACTIVITY = 0

SECTION 2 — PHYSICAL DATA

Boiling Range: 215 - 225°F

Specific Gravity (H₂O=1): 1.1

Vapor Pressure (mm Hg @ 20°C): 18

Vapor Density (AIR=1): 2.14

Freeze Point: 30°F (-1.1°C)

Solubility in Water: Complete

Evaporation Rate (Butyl Acetate = 1): Nil

Appearance and Odor: Green with mild odor.

Volatile Organic Compound (VOC) (as packaged minus water): None

SECTION 3 — HAZARDOUS INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
107-21-1	Ethylene Glycol	1 - 5%	50 ppm (OSHA PEL) 50 ppm (ACGIH TLV)
6834-92-0	Silicates	< 1%	Not determined
7664-38-2	Phosphate	< 1%	Not determined
1303-96-4	Borates	< 1%	Not determined
7631-99-44	Nitrates	< 1%	Not determined
1310-73-2	Sodium Hydroxide	< 1%	Not determined
2492-26-4	Sodium Mercaptobenzothiazole	< 1%	Not determined
64665-57-2	Sodium Tolytriazole	< 1%	Not determined
9003-11-6	Polyglycol	< 1%	Not determined
N/A	Dye	< 1%	Not determined

SECTION 4 — FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not determined

Flammable Limits: Not determined

SECTION 5 — HEALTH HAZARD DATA

Effects of Overexposure:

Inhalation: Drowsiness, narcosis and unconsciousness possible if exposed to high concentrations in poorly ventilated areas.

Skin Contact: May be a slight irritant with prolonged contact.

Eye Contact: Believed to cause slight irritation.

Carcinogenicity: NTP = No; IARC Monographs = No; OSHA Regulated = No

First Aid Procedures:

Ingestion: Consume large quantities of water, then immediately induce vomiting. Seek immediate medical attention

Skin Contact: Wash with soap and water

Eye Contact: Flush with water for 15 minutes.

SECTION 6 — REACTIVITY DATA

Stability: Stable Conditions to Avoid: Isolate from oxidizers, heat and open flame.

Incompatibility (materials to avoid): Isolate from strong oxidizers such as permanganates, chromates and peroxides.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide from burning.

Hazardous Polymerization: Will not occur.

SECTION 7 — SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use a self-contained breathing apparatus or a gas mask with a vapor canister if concentration exceeds TLV.

Ventilation: Local Exhaust Rate: Normal

Protective Gloves: Use polyethylene, neoprene, nitrile, polyvinyl alcohol, natural rubber or butyl rubber.

Eye Protection: Chemical type goggles.

Work/Hygienic Practices: Employees exposed should use reasonable personal cleanliness.

SECTION 8 — SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released or Spilled: Recover free product. Soak up with absorbent material. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses. Assure conformity with government regulations.

Waste Disposal Method: Dispose of in accordance with all applicable federal, state and local regulations.

SECTION 9 — SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage: Do not store near food, foodstuffs, drugs or potable water supplies. Product on surfaces can cause slippery conditions. Avoid breathing spray mists if generated.

Other precautions: Empty containers may contain flammable/combustible or explosive residue or vapors. Do not cut, grind, drill weld or reuse containers. Keep container closed and drum bungs in place.

Date: 5/2/00

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