



SAFETY DATA SHEET

Cooling System Anti-Rust & Water Pump Lubricant

1. Product and Company Identification

Product Code: C51

Product Name: Cooling System Anti-Rust & Water Pump Lubricant

Company Name: CYCLO INDUSTRIES, INC. **Phone Number:** (800)843-7813
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477

Web site address: www.cyclo.com

Email address: ehs@cyclo.com

Emergency Contact: First Aid Emergency (800)752-7869
CHEMTREC (703) 527-3887 (800)424-9300

Information: First Aid Emergency (Outside U.S.) (312)906-6194

Intended Use: Cooling System Repair

2. Hazards Identification

Skin Corrosion/Irritation, Category 1A-1C

Serious Eye Damage/Eye Irritation, Category 2A

Skin Sensitization, Category 1

Toxic To Reproduction, Category 2

Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word: **Danger**

GHS Hazard Phrases: H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H361: Suspected of damaging fertility or the unborn child.

GHS Precaution Phrases: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing and eye and face protection.

GHS Response Phrases: P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

GHS Storage and Disposal Phrases: P403+233: Store container tightly closed in well-ventilated place.
P405: Store locked up.
P501: Dispose of contents/container in accordance with local/regional/national/international regulation.



SAFETY DATA SHEET

Cooling System Anti-Rust & Water Pump Lubricant

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7732-18-5	Water	65.0 -85.0 %
12179-04-3	Boron sodium oxide (B4Na2O7), pentahydrate	< 1.0 %
8013-51-2	Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, sodium salt (1:4)	< 1.0 %
2492-26-4	2(3H)-Benzothiazolethione, Sodium salt	< 1.0 %
77-92-9	Citric acid	< 2.0 %
7601-54-9	Sodium phosphate, Tribasic	< 5.0 %
18016-43-8	Oleic acid, compound with N-(2-aminoethyl)ethane-1,2-diamine	< 2.0 %
9016-45-9	Poly(oxy-1,2-ethanediy), .alpha.-(nonylphenyl)-.omega.-hydr	< 1.0 %

4. First Aid Measures

Emergency and First Aid Procedures: If swallowed, do not induce vomiting. If inhaled, immediately remove victim to fresh air. If breathing has stopped, give artificial respiration. In case of skin contact, immediately remove contaminated clothing; thoroughly wash contaminated skin with soap and water. Thoroughly clean contaminated clothing before reuse; discard contaminated leather goods. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call physician immediately if adverse reaction occurs.

5. Fire Fighting Measures

Flash Pt: NP Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: N.A. UEL: N.A.

Autoignition Pt: No data.

Suitable Extinguishing Media: No flash point. Water vapors extinguished flames upon testing at >170F.

Fire Fighting Instructions: No data available.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Contain spill with dike to prevent entry into sewers or waterways. For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spills, soak up with absorbent material and place in properly labeled containers for disposal. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.

7. Handling and Storage

Precautions To Be Taken in Handling: Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing and eye and face protection. Keep out of the reach of children.

Precautions To Be Taken in Storing: Store container tightly closed in well-ventilated place.



SAFETY DATA SHEET

Cooling System Anti-Rust & Water Pump Lubricant

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7732-18-5	Water	No data.	No data.	No data.
12179-04-3	Boron sodium oxide (B4Na2O7), pentahydrate	No data.	TLV: 1 mg/m3	No data.
8013-51-2	Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, sodium salt (1:4)	No data.	No data.	No data.
2492-26-4	2(3H)-Benzothiazolethione, Sodium salt	No data.	No data.	No data.
77-92-9	Citric acid	No data.	No data.	No data.
7601-54-9	Sodium phosphate, Tribasic	No data.	No data.	No data.
18016-43-8	Oleic acid, compound with N-(2-aminoethyl)ethane-1,2-diamine	No data.	No data.	No data.
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr	No data.	No data.	No data.

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. Where unknown concentrations are encountered or during an emergency, use NIOSH approved supplied air respirators.

Eye Protection: Safety glasses as a minimum protection.

Protective Gloves: Chemical resistant gloves such as rubber, neoprene or vinyl.

Other Protective Clothing: No data available.

Engineering Controls (Ventilation etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Colorless and odorless liquid.

pH: 8

Melting Point: No data.

Boiling Point: 0.00 F (-17.8 C)

Flash Pt: NP Method Used: Pensky-Marten Closed Cup

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: N.A. UEL: N.A.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1): 1.02

Density: 8.25 LB/GA

Solubility in Water: Soluble



SAFETY DATA SHEET

Cooling System Anti-Rust & Water Pump Lubricant

Octanol/Water Partition Coefficient: No data.
Percent Volatile: 0.0 % by weight.
Autoignition Pt: No data.
Decomposition Temperature: No data.
Viscosity: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: No data available.
Hazardous Decomposition or Byproducts: No data available.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: Boron Sodium Oxide

LD50 (Oral) Rats 3200 mg/kg
 LD50 (Skin) Rabbits >2000mg/kg
 LC50 (Inhl) Rats >2.0 mg/l

Eye Irritation: Draize test in rabbits produced eye irritation effects. Fifty years of occupational exposure to Borox indicates no adverse effects on human eye. Not considered to be a human eye irritant in normal industrial use.

Sensitizer: Not a skin sensitizer.

Reproductive/Developmental Toxicity: Animal feeding studies in rat, mouse and dog, at high doses, have demonstrated effects on fertility and testes. Studies with the chemically related boric acid in the rat, mouse and rabbit, at high doses demonstrate developmental effects on the fetus, including fetal weight loss and minor skeletal variations. The doses administered were many times in excess of those to which humans would normally be exposed.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7732-18-5	Water	n.a.	n.a.	n.a.	n.a.
12179-04-3	Boron sodium oxide (B4Na2O7), pentahydrate	n.a.	n.a.	n.a.	n.a.
8013-51-2	Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, sodium salt (1:4)	n.a.	n.a.	n.a.	n.a.
2492-26-4	2(3H)-Benzothiazolethione, Sodium salt	n.a.	n.a.	n.a.	n.a.
77-92-9	Citric acid	n.a.	n.a.	n.a.	n.a.
7601-54-9	Sodium phosphate, Tribasic	n.a.	n.a.	n.a.	n.a.
18016-43-8	Oleic acid, compound with N-(2-aminoethyl)ethane-1,2-diamine	n.a.	n.a.	n.a.	n.a.



SAFETY DATA SHEET

Cooling System Anti-Rust & Water Pump Lubricant

9016-45-9 Poly(oxy-1,2-ethanediyl),
.alpha.-(nonylphenyl)-.omega.-hydr

n.a. n.a. n.a. n.a.

Revision: 09/25/2017
Supersedes Revision: 05/20/2014

12. Ecological Information

General Ecological Information:

Boron Sodium Oxide

Boron (R) is the element in Sodium Tetraborate Pentahydrate which is used by convention to report Borate product ecological effects. It occurs naturally in sea-water at an average concentration of 5 mg b/l and generally occurs in fresh water at concentrations up to 1 mg b/l. In dilute aqueous solutions the predominant Boron species present is undissociated Boric Acid. To convert Sodium Tetraborate Pentahydrate into the equivalent Boron (B) content, multiply by 0.1484.

Phytotoxicity: Boron is an essential micro-nutrient for healthy growth of plants; however, it can be harmful to Boron sensitive plants in high quantities. Care should be taken to minimize the amount of Boron Sodium Oxide into the environment.

13. Disposal Considerations

Waste Disposal Method:

Dispose of contents/container in accordance with local/regional/national/international regulation.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not-Regulated

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not-Regulated

UN Number:

Hazard Class:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not-Regulated

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not-Regulated

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7732-18-5	Water	No	No	No
12179-04-3	Boron sodium oxide (B4Na2O7), pentahydrate	No	No	No
8013-51-2	Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)	No	No	No
2492-26-4	2(3H)-Benzothiazolethione, Sodium salt	No	No	No
77-92-9	Citric acid	No	No	No
7601-54-9	Sodium phosphate, Tribasic	No	Yes 5000 LB	No
18016-43-8	Oleic acid, compound with N-(2-aminoethyl)ethane-1,2-diamine	No	No	No
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr	No	No	No



SAFETY DATA SHEET

Cooling System Anti-Rust & Water Pump Lubricant

Revision: 09/25/2017

Supersedes Revision: 05/20/2014

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7732-18-5	Water	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
12179-04-3	Boron sodium oxide (B4Na2O7), pentahydrate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
8013-51-2	Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
2492-26-4	2(3H)-Benzothiazolethione, Sodium salt	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
77-92-9	Citric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
7601-54-9	Sodium phosphate, Tribasic	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: No; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: No
18016-43-8	Oleic acid, compound with N-(2-aminoethyl)ethane-1,2-diamine	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR, 12(b); CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
7732-18-5	Water	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
12179-04-3	Boron sodium oxide (B4Na2O7), pentahydrate	Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: Yes
8013-51-2	Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4)	Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: Yes
2492-26-4	2(3H)-Benzothiazolethione, Sodium salt	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
77-92-9	Citric acid	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
7601-54-9	Sodium phosphate, Tribasic	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
18016-43-8	Oleic acid, compound with N-(2-aminoethyl)ethane-1,2-diamine	Canadian DSL: No; Canadian NDSL: No; Taiwan TCSCA: Yes
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: 165-02 (1)



SAFETY DATA SHEET

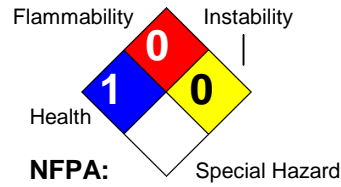
Cooling System Anti-Rust & Water Pump Lubricant

Revision: 09/25/2017
Supersedes Revision: 05/20/2014

16. Other Information

Revision Date: 09/25/2017

Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

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