



SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: COHIB-A

1.2. Intended Use of the Product

Use of the substance/mixture: Tankside additive.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Biolube

PO Box 9732

Fort Wayne, IN 46899

(260) 414-9633

www.biolube1.com

1.4. Emergency Telephone Number

Emergency Number : (260) 414-9633

SECTION 2: HAZARDS IDENTIFICATION

Hazard information reflects the classification of this mixture in its undiluted state. Hazards are reduced when mixture is diluted with water or circulating coolant, as recommended.

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Skin Corr. 1B H314

Eye Dam. 1 H318

Skin Sens. 1 H317

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage.

H317 - May cause an allergic skin reaction.

Precautionary Statements (GHS-US)

: P233 - Keep container tightly closed.

P261 - Avoid breathing vapors, mist, spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P301+P330+P331+P315 - If swallowed: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

P303+P353+P332+P314 - If on skin (or hair): Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

P305+P351+P338+P315 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P321 - Specific treatment (see section 4 on this SDS).

P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.

P403 - Store in well-ventilated place.

P501 - Dispose of contents/container according to local, regional, national, and

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international regulations.

2.3. Other Hazards Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Harmful to aquatic life.

2.4. Unknown Acute Toxicity (GHS-US) <2 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance Not applicable

3.2. Mixture

Name	Product Identifier	%	Classification (GHS-US)
2-Amino-2 methyl-1-propanol	(CAS No) 124-68-5	>27.5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Dam. 1, H318
Proprietary Chemical 1	(CAS No) Proprietary	< 4	Met. Corr. 1, H290 Skin Corr. 1B, H314 Skin Sens. 1, H317
Proprietary Chemical 2	(CAS No) Proprietary	< 6	Acute Tox. 4 (Oral), H302 Skin Corr. 1A-1C, H314 Eye Dam. 1, H318

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Seek medical attention if symptoms occur or irritation persists. Wash clothing before reuse. Suitable emergency safety shower facility should be immediately available.

First-aid Measures After Eye Contact: Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

First-aid Measures After Ingestion: Seek medical attention immediately. Rinse mouth. Do NOT induce vomiting. Give one cup (8 ounces/240 ml) of water or milk if available and transport to a medical facility. Do not give anything by mouth unless the person is fully conscious.

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

Symptoms/Injuries: Causes severe skin burns and and eye damage. May cause an allergic skin reaction.

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis. Blistering may occur. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: A latent period may exist between exposure to skin and eyes and more severe symptoms.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have SDS at hand.

Notes to physician: Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use direct water stream. May spread fire.

5.2. Special Hazards Arising from the Substance or Mixture

Fire Hazard: Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

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Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions are not expected to occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Keep people away. Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without full protective equipment, including respiratory protection.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses. Isolate fire and deny unnecessary entry.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not breathe vapor, mist or spray. Avoid all contact with skin, eyes, or clothing.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contaminated absorbent material will pose the same hazard as the spilled product. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Put on appropriate personal protective equipment. Keep in original container, tightly closed when not in use. Wash hands and other exposed areas with soap and water before eating, drinking or smoking and when leaving work. Handle empty containers with care because they may still present a hazard. Do not get in eyes, on skin, or on clothing. Do not breathe vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

7.3. Specific End Use(s)

Tankside additive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

8.2. Exposure Controls

Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles or full face shield when danger of splashing is great. Insufficient ventilation: wear respiratory protection if risk assessment indicates this is necessary.



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Materials for Protective Clothing	: Chemically resistant materials and fabrics.
Hand Protection	: Wear protective, chemically impervious gloves.
Eye Protection	: Chemical safety goggles/face shield.
Skin and Body Protection	: Wear suitable protective clothing. Recommend full suit.
Respiratory Protection	: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Other Information	: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Amber/clear
Odor	: No data available
Odor Threshold	: No data available
pH	: 12.7
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Specific Gravity	: 1.040
Solubility	: Complete
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions are not expected to occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5. Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO₂), Nitrogen oxides, Sulfur oxides, metal oxides, HCN possible in reducing environments.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

2-Amino-2 methyl-1-propanol (124-68-5)	
LD50 Oral Rat	2900 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
Proprietary Chemical 1	
LD50 Oral Rat	5200 mg/kg
LD50 Dermal Rabbit	5010 mg/kg
Proprietary Chemical 2	
LD50 Oral Rat	920 mg/kg (Male) 640 mg/kg (Female)

Skin Corrosion/Irritation: Causes severe skin burns and and eye damage. (pH: 12.7)

Serious Eye Damage/Irritation: Causes serious eye damage. (pH: 12.7)

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

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Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis. Blistering may occur. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: A latent period may exist between exposure to skin and eyes and more severe symptoms.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not established. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Proprietary Chemical 1	
LC50 Fish 1	1.3-2.4 mg/l (Exposure time: 96 h - Species: Rainbow Trout)
Proprietary Chemical 2	
LC50 Fish 1	191.2 mg/l (Exposure time: 96 h - Species: Bluegill Sunfish)
LC50 Fish 2	23.7 mg/l (Exposure time: 96 h - Species: Rainbow Trout)

12.2. Persistence and Degradability Not established

12.3. Bioaccumulative Potential Not established.

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT UN1719, Caustic Alkali Liquids, N.O.S., 8, PG II.

14.2. In Accordance with IMDG UN1719, Caustic Alkali Liquids, N.O.S., 8, PG II.

14.3. In Accordance with IATA UN1719, Caustic Alkali Liquids, N.O.S., 8, PG II.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations All ingredients are listed on the United States TSCA (Toxic Substances Control Act) inventory

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SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

15.2 US State Regulations

2-Amino-2 methyl-1-propanol (124-68-5)
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 03/17/2016

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Flam. Liq. 4	Flammable liquids Category 4
Met. Corr. 1	Corrosive to metals Category 1
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Skin Corr. 1A-1C	Skin corrosion/irritation Category 1A-1C
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1

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Eye Dam. 1	Serious eye damage/eye irritation Category 1
H227	Combustible liquid
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)