BLEND TECH, Inc
Antifreeze Inhibitor Chemistry

SAFETY DATA SHEET

BTNN80
Corrosion Inhibitor Concentrate

SECTION 1: Identification

Product identifier

Product name	BTNN80
Product description	Corrosion Inhibitor Concentrate

Supplier's details

Name	Blend Tech, Inc
Address	PO Box 36000 Lake Tahoe, NV 89449

Emergency phone number(s)

Professional Emergency Resource Services
Domestic: 800-633-8253
International: 8014-629-0667

SECTION 2: Hazard identification

Classification of the mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)
Eye damage/irritation, Cat. 1
Skin corrosion/irritation, Cat. 2

GHS label elements, including precautionary statements

Pictogram

Signal word **Danger**

Hazard statement(s)
Causes skin irritation
Causes serious eye damage

Precautionary statement(s)
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. POTASSIUM HYDROXIDE
Concentration 14.9 % (Weight)
CAS no. 1310-58-3

2. 2-ETHYLHEXANOIC ACID
Concentration 6 %
CAS no. 149-57-5

3. TOLYLTRIAZOLE
Concentration 1.4 %
CAS no. 29385-43-1

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled Move to fresh air. If breathing is difficult, administer oxygen. Get medical attention.

In case of skin contact Wash affected area immediately with soap and water. If clothing is contaminated, remove and launder before reuse.

In case of eye contact Immediately flush with water for at least 15 minutes or until the chemical is removed. Get medical attention!

If swallowed Do not induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Most important symptoms/effects, acute and delayed

Inhalation: May cause physical discomfort to the respiratory tract.
Eyes: Causes severe irritation (tears, blurred vision and redness) May result in permanent eye damage.
Ingestion: May cause nausea and vomiting. May cause irritation to the mouth, throat and stomach.
Skin: Prolonged contact may cause mild skin irritation.
Target: Not Determined.
Potential Carcinogens: None.

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Carbon dioxide, dry chemical, foam or water spray.

Specific hazards arising from the chemical
No data.

Special protective actions for fire-fighters
Vapors and fumes may be irritating and toxic. Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear appropriate personal protective equipment as specified in Section 8.

Environmental precautions
Minimize use of water to prevent environmental contamination. Do not flush to sewer or drain.

Methods and materials for containment and cleaning up
If possible, stop further leakage of the material. Contain spilled material by diking with non-flammable diking materials. Neutralize spilled material. Pump spilled liquid into disposal container.

SECTION 7: Handling and storage

Precautions for safe handling
Use good industrial practices when handling. Avoid eye, skin, and clothing contact. Do not inhale mist or vapors. Do not taste or swallow. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities
Keep container closed when not in use. Avoid elevated and freezing temperatures.

SECTION 8: Exposure controls/personal protection

Control parameters

Potassium Hydroxide (1310-58-3)
OSHA TWA, 2 mg/m3
ACGIH TWA, 2 mg/m3

2-Ethylhexanoic Acid (149-57-5)
ACGIH TWA, 5 mg/m3

Individual protection measures, such as personal protective equipment (PPE)

General Hygiene: Discard contaminated gloves after use. Have eye-wash facilities in the immediate vicinity. Work in adequately ventilated area. Do not breathe vapors or mist. Minimize any contact with any chemical.

Respiratory Protection: No special respiratory equipment is needed.

Eye/Face Protection: Wear safety glasses when handling this material.

Skin Protection: Wear nitrile or latex gloves. Wear protective clothing.

Engineering Controls: Work in well ventilated areas. Do not breathe vapors or mists.

Other Protective Controls: Eye wash station and safety shower should be available in immediate work area. Select additional protective equipment based upon potential for exposure.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Clear (Color May Vary, Red or Yellow)
Odor	Slight
Odor threshold	Not Established
pH	8-9
Melting point/freezing point	Not Established
Initial boiling point and boiling range	>200ºF
Flash point	Non Flammable
Evaporation rate	Not Determined
Vapor pressure	Not Determined
Vapor density	>1
Relative density	1.35-1.45
Solubility(ies)	Complete

SECTION 10: Stability and reactivity

Stability: Stable.
Conditions to Avoid: None known.
Incompatible Materials: Strong Reducers.
Hazardous Decomposition Products: Upon thermal decomposition carbon oxides and nitrogen oxides may form.
Possibility of Hazardous Reactions: None expected.

SECTION 11: Toxicological information

Information on toxicological effects (The toxicological data below is based on the main component(s)).

Acute Oral Toxicity:
LD50(rat) = 2,043 mg/Kg (2-Ethylhexanoic Acid 149-57-5)
LD50(rat) = 333 mg/Kg (Potassium Hydroxide 1310-58-3)
LD50(rat) = 675 mg/Kg (Tolyltriazole 29385-43-1)

Acute Dermal Toxicity:
LD50(rat) = >2,000 mg/Kg (2-Ethylhexanoic Acid 149-57-5)
LD50(rat) = >4,000 mg/Kg (Tolyltriazole 29385-43-1)

Acute Inhalation Toxicity:
LC50 (Rat, 8 h): > 0.11 mg/l (2-Ethylhexanoic Acid 149-57-5)
LC50 (Rat, 1 h): > 1.73 mg/l (Tolyltriazole 29385-43-1)

Skin corrosion/irritation
Skin - Rabbit
Result: Severe skin irritation - 24 h (Potassium Hydroxide 1310-58-3)

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Corrosive to eyes (Potassium Hydroxide 1310-58-3)
(OECD Test Guideline 405)

SECTION 12: Ecological information

Information on toxicological effects (The toxicological data below is based on the main component(s)).

Toxicity to Fish
LC50 (Potassium Hydroxide 1310-58-3) - Gambusia affinis (Mosquito fish) - 80 mg/l - 96 h
LC50 (Tolyltriazole 29385-43-1) - *B. rerio* - 65 mg/L - 96 h
LC50 (2-Ethylhexanoic Acid 149-57-5) - *Oryzias latipes* - >100 mg/L - 96 h

Toxicity to Aquatic Invertebrates
EC50 (Tolyltriazole 29385-43-1) - *D. magnia* - 35.4 mg/L - 48 h
EC50 (2-Ethylhexanoic Acid 149-57-5) - *Water Flea* - >85.4 mg/L - 48 h

Toxicity to Aquatic Plants
EC50 (Tolyltriazole 29385-43-1) - *S. subspicatus* - 62 mg/L (growth) - 72 h
EC50 (2-Ethylhexanoic Acid 149-57-5) - *Scenedesmus subspicatus* - 49.3 mg/L - 72 h

SECTION 13: Disposal considerations

Product Disposal : Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable local, state and federal laws, regulations and product characteristics at time of disposal.

Empty Container : Contaminated container should be labeled and disposed in accordance to local, state and federal laws and regulations.

SECTION 14: Transport information

DOT (US)
Not regulated for transport.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

OSHA HAZARD COMMUNICATION STANDARD: This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311-312 Hazard Classification(s):
Acute health hazard - Yes
Chronic health hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components
Chemical name: Potassium hydroxide
CAS number: 1310-58-3

New Jersey Right To Know Components
Common name: POTASSIUM HYDROXIDE
CAS number: 1310-58-3

Pennsylvania Right To Know Components
Chemical name: Potassium hydroxide
CAS number: 1310-58-3

California Prop. 65 components
Chemical name: 2-ETHYLHEXANOIC ACID
CAS number: 149-57-5
Developmental - 8/7/09

SECTION 16: Other information

NFPA: National Fire Protection Association
Health: 1 Fire: 0 Reactivity: 0

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