

3/20/22

BTFFCA **CORROSION INHIBITOR CONCENTRATE**



SECTION 1 – PRODUCT AND MANUFACTURER IDENTIFICATION

Section 1, Identification includes product identifier; manufacturer or distributor name, address, phone number; emergency phone number; recommended use; restrictions on use.*

Product/Chemical Name: BTFFCA Corrosion Inhibitor Concentrate
Product Description: Sodium Hydroxide, Sodium Nitrite Mixture
CAS Registry: Mixture
Manufacturer: Blend Tech, Inc., PO Box 3600, Lake Tahoe, NV 89449, Phone: 888-869-4827
EMERGENCY RESPONSE NUMBER: 800-633-8253

<u>INGREDIENT</u>	<u>CAS NO</u>	<u>WEIGHT RANGE %</u>
Sodium Hydroxide	1310-73-2	<10%
Sodium Nitrite	7632-00-0	5-15%

SECTION 2 – HAZARD/S IDENTIFICATION

Section 2, Hazard(s) identification includes all hazards regarding the chemical; required label elements.*

Signal Word: Danger

Primary Hazard Type:	Toxic	Fatal if swallowed
Secondary Hazard Type:	Corrosive	Causes severe burns and eye damage
Appearance:	Clear yellow liquid	
Odor:	Slight	
Likely Exposure:	Eyes, Ingestion, Inhalation, Skin	



Exposure Effects

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: As listed by OSHA, IARC, or NONE
Other Possible Health Effects: See Section 11 for more information.
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Potential Environmental Hazards: Not considered to be harmful to aquatic life.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Section 3, **Composition/information on ingredients** includes information on chemical ingredients; trade secret claims.*

INGREDIENT	CAS NO	WEIGHT RANGE %
Sodium Hydroxide	1310-73-2	<10%
Sodium Nitrite	7632-00-0	5-15%

SECTION 4 – FIRST-AID MEASURES

Section 4, **First-aid measures** includes important symptoms effects, acute, delayed; required treatment.*

Inhalation:	Move to fresh air. Remove any contaminated clothing. If breathing is difficult, administer oxygen. Get medical attention.
Eyes:	Immediately flush with water for at least 15 minutes or until the chemical is removed. Get medical attention!
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Skin:	Wash off immediately with soap and water. If clothing is contaminated, remove and launder before reuse.
Special Instructions:	Follow usual and customary procedures.

SECTION 5 – FIRE-FIGHTING MEASURES

Section 5, **Fire-fighting measures** lists suitable extinguishing techniques, equipment; chemical hazards from fire.*

Fire-fighting:	Standard procedure for chemical fires.
Fire fighter protection:	Vapors and fumes may be irritating and toxic. Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear.
Suitable extinguishing media:	Carbon dioxide, dry chemical, foam or water spray.
Unsuitable extinguishing:	Not applicable.

As with any chemical fire, combustion products of unknown toxicity are always possible.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Section 6, **Accidental release measures** lists emergency procedures; protective equipment; proper methods of containment and cleanup.*

Personal Precautions:	Use personal protection
Containment:	If possible, stop further leakage of the material. Contain spilled material by diking with non-flammable diking materials.
Clean-Up Methods:	Neutralize spilled material. Pump spilled liquid into disposal container.
Environmental:	Minimize use of water to prevent environmental contamination.
Spill reporting:	If the spilled amount is greater than the RQ in section 15, this spill must be reported to the National Response Center.

SECTION 7 – HANDLING AND STORAGE

Section 7, **Handling and storage** lists precautions for safe handling and storage, including incompatibilities.*

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.
Storage:	Keep container closed when not in use. Avoid elevated and freezing temperatures.

SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Section 8, Exposure controls/personal protection lists OSHA's Permissible Exposure Limits (PELs); Threshold Limit Values (TLVs); appropriate engineering controls; personal protective equipment (PPE).*

Exposure Guidelines:	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
Sodium Hydroxide	2 mg/m3	NE	2 mg/m3	NE
Sodium Nitrite	NE	NE	NE	NE

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

Section 9, Physical and chemical properties lists the chemical's characteristics.*

Color:	Dark Yellow	VOC Percentage:	0
Physical State:	Liquid	Evaporation Rate:	Not Determined
Odor:	Slight	Odor Threshold:	Not Established
Melting Point:	Not Determined	Coeff. Water/Oil Dist.:	Not Established
Boiling Point:	>200°F	Lower Explosive Limit	Not Determined
Specific Gravity:	1.35-1.45	Upper Explosive Limit:	Not Determined
pH:	>11	Flash Point (deg. C):	Non Flammable
Vapor Pressure:	Not Determined	Solubility:	Complete
Vapor Density:	>1		

SECTION 10 – STABILITY AND REACTIVITY

Section 10, Stability and reactivity lists chemical stability and possibility of hazardous reactions.*

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

Section 11, Toxicological information includes routes of exposure; related symptoms, acute and chronic effects; numerical measures of toxicity.*

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

ACUTE EFFECTS

Acute Oral Toxicity: LD50(rat) = 180 mg/Kg, LD50(human) = 70 mg/Kg.

Acute Derma I Toxicity: LD50(rabbit) = 178 mg/Kg.

Acute Inhalation Toxicity: Not Determined.

Sensitization: Not a sensitizer.
 Acute Eye Irritation: Severely irritating.
 Acute Skin Irritation: Severely irritating.

CHRONIC EFFECTS

Carcinogenicity: None of the components of this product are listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.
 Mutagenicity: One of the components of this product is considered a mutagen.
 Reproductive Effects: Not Determined.
 Teratogenicity: Not Determined
 Synergistic Products: NONE

SECTION 12 – ECOLOGICAL INFORMATION

The ecological data below is based on the main component(s)

Species	Exposure	LC50	EC50
ACUTE FISH			
Rainbow Trout	96 hrs.	0.2 - 0.4 mg/L	
Mosquito Fish	24 hrs.	8.1 ppm	
ACUTE INVERTEBRATE			
Daphnia Magna	48 hrs.		12.5-100 mg/L
AQUATIC PLANT			
Not Determined			

Persistence/Degradability: Degradation is expected under aerobic and anaerobic conditions.
 Bioaccumulation/Accumulation: No appreciable bioaccumulation is expected.
 Mobility in Environment: Not determined.

SECTION 13 –DISPOSAL CONSIDERATIONS

Product is a RCRA Hazardous: D002
 Dispose of in accordance with federal, state, and local regulations.

SECTION 14 – TRANSPORT INFORMATION

US D.O.T. and Canadian TDG (ground)
 Proper Shipping
 UN2922, CORROSIVE LIQUIDS, TOXIC, N.O.S. (Sodium Hydroxide, Sodium Nitrite), 8 (6.1), PGII
 ICAO (air)
 Proper Shipping Description: See US
 IMDG (water)
 Proper Shipping Description: See US

SECTION 15 –REGULATORY INFORMATION

FEDERAL REGULATORY INFORMATION
 All components are listed in the EPA Toxic Substances Control Act (TSCA) Chemical Substance

Title III SARA Section

Product contains materials subject to reporting under SARA Section: NO

CERCLA

Product contains materials subject to reporting under CERCLA: NO

Title III SARA Section

Product contains materials subject to reporting under SARA Section: YES

Resource Conservation and Recovery Act

Waste code if a hazardous waste under RCRA (40 CFR): D002

STATE REGULATORY INFORMATION

California Proposition

Product contains materials that are carcinogenic and/or can cause reproductive harm and is subject to warning and discharge requirements under the "Safe Water and Toxic Enforcement Act of 1986": NO

WHMIS Canadian Workplace Hazardous Material Information System WHMIS Classification: E

SECTION 16 – OTHER INFORMATION

Section 16, Other information, includes the date of preparation or last revision.*

NFPA 704: National Fire Protection Association

Health: 3 Fire:0 Reactivity: 0

0 = Minimal hazard, 1 = Slight hazard, 2 = Moderate hazard, 3 = Severe hazard, 4 = Extreme

IMO International Maritime Organization

EmSF-A, S-B

The information contained herein is based on data believed to be accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for loss or injury arising out of use of this information or the use of any materials designated. It is the users responsibility for determining whether the product is suitable for its intended conditions of use.

* OSHA Quick Card.

Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15(29 CFR 1910.1200(g)(2)).