

SAFETY DATA SHEET

BX-9465 STOCK SOLUTION 0.25% - 2.50%

ISSUED: 03/18/2021.

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT TRADE NAME: BX-9465 STOCK SOLUTION, 0.25% - 2.50% BIO-HYDROX SOLUTION, PREMISE SYSTEM SOLUTION

PRODUCT CHEMICAL NAME: MINERAL OXYCHLORIDE STOCK SOLUTION

PRODUCT INTENDED USE: PREMISE WATER TREATMENT, PREMISE SYSTEM SANITATION , POTABLE WATER PURIFICATION

MANUFACTURING: 100% US MADE

MANUFACTURED FOR LEGIONELLA SPECIALTIES



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24 HR. EMERGENCY 1.800-222-1222 Poison Control

For any life-threatening situation: Dial 911

2. HAZARDS IDENTIFICATION:

CHEMICAL HAZARD: NOT APPLICABLE. **PHYSICAL APPEARANCE:** CLEAR TRANSPARENT WATER

POTENTIAL HEALTH EFFECTS

EYES: May cause temporary eye irritation.

SKIN: Will not affect the skin.

INGESTION: May cause nausea.

INHALATION: Will not affect the respiratory tract.

UNCLASSIFIED HAZARDS: Not applicable

SIGNAL WORD: Not applicable.

POTENTIAL CARCINOGENS AS LISTED BY OSHA, IARC, OR NTP: None

OSHA HCS Status: No applicable data available. Not considered hazardous by the OSHA HCS (29 CFR 1910.1200).

GHS PICTOGRAM:

No hazard:

Signal word (GHS-US): Not applicable.

Hazard Statement(s)

Code	Statement	GHS Chapter	Category
H320	May cause eye irritation	Low toxicity (Chapter 3.2)	3

PRECAUTIONARY STATEMENT(S)

P305, P351, P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P404+410 Store in a closed container. Protect from sunlight

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	C.A.S.	Approx. Weight %
ACTIVE INGREDIENT:		
Sodium Oxychloride	7681-52-9	<0.1%
INACTIVE INGREDIENTS:		
Proprietary modified Fenton chemistry (Calcium Oxychloride, other)	8031-48-9	< 0.3%
Water	7732-18-5	> 99%

* This chemical substance is non-hazardous, and the exact percentage of its composition has been withheld as a trade secret.

4. FIRST AID MEASURES

COMMON SYMPTOMS OF OVER EXPOSURE: No Applicable data available.

ADDITIONAL INFORMATION OR COMMENTS: No Applicable data available.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD, FLAMMABLE LIMITS: No applicable data available

GENERAL HAZARD: No applicable data available

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water spray.

FIRE FIGHTING EQUIPMENT:. Product will not burn but may splatter if temperature exceeds boiling point.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Absorb spilled liquid. Wipe up with absorbent material.

EMERGENCY PROCEDURES: No applicable data available

GENERAL PROCEDURES: No applicable data available

7. HANDLING AND STORAGE

HANDLING: Use good industrial practices when handling.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Substance	CAS No. ^(c)	Regulatory Limits			Recommended Limits	
		OSHA PEL ^(b)		Cal/OSHA PEL ^(f) (AS OF 4/4/2018)	NIOSH REL ^(g) (AS OF 7/7/16)	ACGIH® 2018 TLV® ^(h)
		ppm ^(d)	mg/m ^{3(e)}	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
Sodium Oxychloride	7681-52-9	-	(C) 2 mg/m ³	(C) 2 mg/m ³	(C) 2 mg/m ³	(C) 2 mg/m ³
Proprietary formula of modified Fenton chemistry	None listed	None listed	None listed	None listed	None listed	None listed

ENGINEERING CONTROLS: No applicable data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form: Liquid water

Odor: Slight chlorinated water

pH-value @ 68 °F: 8.4 to 8.8,

Boiling Point: 100°C

Freezing Point: -8°C (17°F)

Flammability: None

Support Combustion: No

Danger of explosion: None

Explosion Upper Limit: None

Relative Density: 1.05

Evaporation Rate: Not Determined

Partition coefficient: No data available

Appearance Color: Clear transparent

Decomposition Temp: No applicable data available

Specific Gravity: 1

Flash Point: Not Applicable

Melting Point: No data available

Ignition temperature: None

Auto Igniting: No

Explosion Lower Limit: None

Vapor pressure @ 68 °F: 12.1 mm Hg

Vapor Density: 2.61 (air= 1)

Solubility in Water: Complete

Density: 8.4 Lb/Gal estimated (3.8 Kg/Gal)

10. STABILITY AND REACTIVITY

STABILITY: Stable under recommended storage and handling conditions.

REACTIVITY: No applicable data available.

POLYMERIZATION: Hazardous polymerization is not expected to occur under normal temperatures and pressures.

CONDITIONS TO AVOID: Heating will cause decomposition.

POSSIBILITY OF HAZARDOUS REACTIONS: No applicable data available.

INCOMPATIBLE MATERIALS: No applicable data available.

HAZARDOUS DECOMPOSITION MATERIALS: Under normal conditions of storage and uses, hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

SKIN: Not applicable

Skin Acute Toxicity: No applicable data available

EYES: Mildly irritating.

IARC: None of the components of this product are listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

NTP: None of the components of this product are listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

OSHA: None of the components of this product are listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

MUTAGENICITY: Not determined

SENSITIZATION: Not a sensitizer

TERATOGENICITY: Not determined

REPRODUCTIVE EFFECTS: Not determined

TARGET ORGAN EFFECTS: Not determined

ADDITIONAL INFORMATION: No additional information

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not toxic to the environment.

BIOACCUMULATION: Not resistant to degradation by biotic factors.

PERSISTENCE DEGRADABILITY: Degradation is expected under aerobic and anaerobic conditions.

ENVIRONMENTAL DATA: No applicable data available. Follow NPDES recommendations.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Observe all federal, state and local recommendations when disposing of this substance.

EMPTY CONTAINER: Empty containers are not hazardous.

DISPOSAL INSTRUCTIONS: Follow any regional local authority recommendations.

CONTAMINATED PACKAGING, RESIDUES, UNUSED PRODUCTS: No applicable data available, or call 800-424-9346, the RCRA Hotline.

14. TRANSPORT INFORMATION

RESTRICTIONS: DOT: None, **TDG:** None, road or rail, **ICAO/ IATA:** None per A197, **IMDG/IMO:** None per IMDG Code 2.10.2.7

D.O.T. (DEPARTMENT OF TRANSPORTATION) PROPER SHIPPING NAME: No applicable data available

UN SHIPPING NAME: NOT RATED

PRIMARY HAZARD CLASS/DIVISION: NOT RATED AS HAZARDOUS

UN/NA NUMBER: NOT RATED

PACKING GROUP No applicable data available

Label: NOT APPLICABLE

Special provisions: No applicable data available

Packaging exceptions: No applicable data available

15. REGULATORY INFORMATION

1. TSCA (TOXIC SUBSTANCE CONTROL ACT): Not listed or exempt
2. SCA STATUS: On the inventory, or in compliance with the inventory
US FEDERAL REGULATIONS
3. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): No applicable data available
4. US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No applicable data available
5. CERCLA Hazardous Substance List (40 CFR 302.4), (SARA) SARA 302 Extremely hazardous substance: NO
6. Superfund amendments and reauthorization act of 1986): No applicable data available
7. SARA 304 Emergency release notification, SARA 311/312 Hazardous chemical: No applicable data available
8. SARA 313 (TRI reporting) NO
9. Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): No applicable data available
10. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): No applicable data available
US STATE REGULATIONS
11. US. California Proposition 65: NO
12. US. New Jersey Worker and Community Right-to-Know Act: No applicable data available
13. US. Massachusetts RTK - Substance List: No applicable data available
14. US. Pennsylvania RTK - Hazardous Substances: No applicable data available
15. US. Rhode Island RTK: No applicable data available

16. OTHER INFORMATION



MANUFACTURER SUPPLEMENTAL NOTES: no applicable data available

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PREPARED AND REVIEWED BY: ENVIROCLEN LLC. APPROVED: 03/18/2021

KEY OR LEGEND TO ABBREVIATIONS AND ACRONYMS USED IN THE SAFETY DATA SHEET

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect
EC	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

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