

Material Safety Data Sheet Crystal Blue

Section 1. Chemical Product and Company Identification

Product Name	Crystal Blue	
Product Number	NTN CB	
Manufacturer/ Supplier	NuTech Specialties, Inc. 9811 So. 6150 W. West Jordan, UT 84088	
Phone Number	(801) 253-1000 (Mon-Fri/ 8am- 5pm MT)	
D.O.T. Emergency Phone:	1-800-633-8253	
Date of Preparation	September 25, 2012	Revision Number 1.0

Section 2. Hazards Identification

Emergency overview **This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

DANGER!

Keep out of reach of children.
Keep container closed during storage. For institutional and commercial use.

Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Non-corrosive for skin
Routes of Entry	Absorbed through skin. Eye contact. Ingestion.
Eyes	Slightly hazardous in case of eye contact (irritant). May cause burning and irritation if splashed in eyes.
Skin	No adverse effects.
Inhalation	Not a primary rout of exposure
Ingestion	Slightly hazardous in case of ingestion. May cause gastrointestinal irritation if swallowed
Medical conditions aggravated by exposure:	There is no known effect from chronic exposure to this product.
Potential Chronic Health	There is no known effect from chronic exposure to this product.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Target Organs	Not available
Environmental Effects	Not available

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Sodium Hydroxide	1310732	<3%		
Benzene Sulfonic Acid	68584-22-5	10%		

Section 4. First Aid Measures

Eye Contact	In case of contact with eyes, flush with plenty of water followed by and application of a boric acid solution
Skin Contact	Wash with soap and water.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Have conscious person drink large volumes of water and mild acidic fruit juice. DO NOT induce vomiting. Seek medical attention.
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	Not available

Section 5. Fire Fighting Measures

Flammability	Non Flammable
Fire Fighting Media and instructions	None
Products of Combustion	Not available
Special Remarks on Fire Hazards	None
Special Remarks on Explosion Hazards	None
Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	Not available
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods for Containment	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Environmental Precautions Dilute concentration with water and flush to sewer. Empty container might be offered for recycling or sent to an authorized landfill. Product is biodegradable and non-toxic.

Methods for Clean Up Flush all affected surfaces with water. Wipe or dry, product is non-corrosive.

Section 7. Handling and Storage

Precautions Read label instructions before using. Protect product from freezing. After handling, always wash hands thoroughly with soap and water.

Incompatibility No incompatible products according to our data base.

Storage Keep out of the reach of children. Not for use or storage in or around the home.

Keep out of reach of children.
Keep container closed during storage.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

Personal Protection Good general ventilation should be sufficient to control airborne levels.

Eyes Safety goggles

Body None

Respiratory Not applicable

Hands Not applicable

Protective Clothing (Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance Blue Liquid

Molecular Weight N/A

pH 9

Boiling/Condensation Point 200 F

Melting/Freezing Point 32 F

Critical Temperature N/A

Instability Temperature	N/A
Specific Gravity	(H2O = 1): 1.020
Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature)
Vapor Density	(Air = 1)
Volatility	N/A
VOC	N/A
Evaporation Rate	(H2O = 1)
Dispersion Properties	N/A
Solubility	Complete in water
The Product is:	Alkaline Liquid
Auto-ignition Temperature	N/A
Flash Points	>212 F
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	None
Explosion Hazards in Presence of Various Substances	None
Odor	Chemical
Color	Blue

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	No incompatible product according to our data base
Hazardous Decomposition Products	Will not occur

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Depending on concentration of sodium hydroxide: Rabbit 1350mg / kg Oral Rat 140mg / kg
Acute Effects on Humans	Not available
Eyes	Slightly hazardous in case of eye contact (irritant). May cause burning and irritation if splashed in eyes.
Skin	No adverse effects
Inhalation	No adverse effects
Ingestion	Slightly hazardous in case of ingestion. May cause gastrointestinal irritation if swallowed

Chronic Effects on Humans There is no known effect from chronic exposure to this product.

Special Remarks on Toxicity to Animals Not available

Special Remarks on Chronic Effects on Humans Not available

Section 12. Ecological Information

Ecotoxicity Not available

BOD5 and COD Not available

Products of Biodegradation Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation Not available

Special Remarks on the Products of Biodegradation Not available

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available

Section 14. Transport Information

DOT (U.S.A.) (Pictograms) Not regulated by DOT

TDG Classification Not controlled under TDG (Canada)

PIN UN, Proper Shipping Name, PG Not applicable

Maritime Transportation Not a "marine pollutant"

Special Provisions for Transport Not available

Section 15. Regulatory Information and Pictograms

Regulatory Lists No products were found.

Other Regulations Not available, or of its ingredients

Other Classifications

HCS (U.S.A.)	Not controlled under HCS (United States)
USA Regulatory Lists	This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL) (Safe Harbor Level). Massachusetts RTK SARA 302 Extremely Hazardous Substances - Not listed

SARA 311 - 1. Immediate (acute) health hazard
SARA 313: No components found

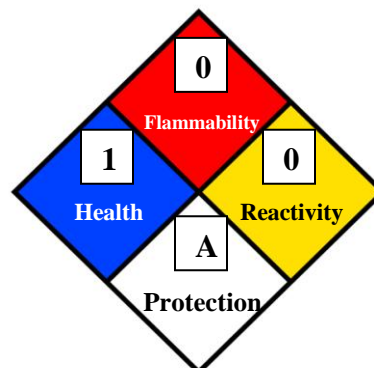
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No Products were found.

Hazardous Material Information System (U.S.A.)

HEALTH	1
FIRE	0
REACTIVITY	0

National Fire Protection Association (U.S.A.)



WHMIS (Classification) Not controlled under WHMIS (Canada).

The Hazard Ranking systems presented on this MSDS sheet provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Expiry Date 3 (Three Years) from the date of preparation indicated in Section 1.

Validated by _____ **Verified by** _____

Information Contact _____ **Printed** _____

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on _____ **NuTech Specialties, Inc.**