

Material Safety Data Sheet Big Red Concentrated ED

Section 1. Chemical Product and Company Identification

Product Name	Big Red Concentrated ED	
Product Number	NTAL BRC	
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. Ensure that eyewash stations and safety showers are proximal to the work-station location. S24/25- Avoid contact with skin and eyes.

Potential Acute Health Effects Eye contact can result in corneal damage or blindness. Corrosive to skin and eyes on contact. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Routes of Entry Skin contact. Ingestion. Eye Contact.

Eyes Corrosive to the eyes

Skin Corrosive to the skin

Inhalation No adverse effects from inhalation

Ingestion Gastrointestinal irritation

Medical conditions aggravated by exposure: Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Potential Chronic Health Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Target Organs Not applicable

Environmental Effects Not available

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Solvent-Butyl Cello Solve	111-76-2	5%		
Potassium Hydroxide	1310-58-3	5%		
Dioxide Trioxosilicate	6834-92-0	5%		

Section 4. First Aid Measures

Eye Contact	Flush eyes with clear water for 15 minutes.
Skin Contact	Flush with solution water and vinegar
Inhalation	Remove to fresh air
Ingestion	Drink large volumes of clear water, then a solution of water and vinegar or other mild acid fruit juice. DO NOT induce vomiting
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	This product is 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	None
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Face shield. 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.
Environmental Precautions	Dilute with large volumes of water and flush to sewer. Consult local authorities for approved method of container disposal. Read label instructions carefully before using.
Methods for Clean Up	Contain spill and dilute with water, wash all surfaces with water.

Section 7. Handling and Storage

Precautions	Keep out of reach of children. Keep container sealed when not in use. Protect product from freezing. Keep product in original shipping container. Consult local authorities for approved method of container disposal. Read label instructions carefully before using.
Incompatibility	Strong acids
Storage	Corrosive materials should be stored in a separate safety storage cabinet or room. Keep out of reach of children. For Institutional and Commercial Use

Keep out of reach of children.

Keep container closed during storage. Ensure that eyewash stations and safety showers are proximal to the work station location. S24/25- Avoid contact with skin and eyes.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	General ventilation
Personal Protection	Good general ventilation should be sufficient to control airborne levels.
Eyes	Splash goggles or Face Shield.
Body	Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	Neoprene or rubber gloves
Protective Clothing (Pictograms)	



Exposure Limits

Potassium Hydroxide

Oral (Rat) LD50 273 mg/kg

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Red Liquid
Molecular Weight	N/A
Ph	13
Boiling/Condensation Point	200 F
Melting/Freezing Point	32 F
Critical Temperature	Not applicable

Instability Temperature	Not applicable
Specific Gravity	(H2O = 1): 1.077
Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density	(Air = 1)
Volatility	N/A
VOC	N/A
Evaporation Rate	(H2O = 1): 0.85
Dispersion Properties	N/A
Solubility	Complete in water
The Product is:	Caustic Liquid
Auto-ignition Temperature	N/A
Flash Points	None
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	None
Explosion Hazards in Presence of Various Substances	None
Odor	Chemical
Color	Red

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substance	Product will be neutralized if contacted by acid products
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Routes of Entry	Skin Contact. Ingestion. Eye Contact.
Toxicity to Animals	Oral (Rat) LD50 273 mg/kg
Acute Effects on Humans	N/A
Eyes	Corrosive to the eyes
Skin	Corrosive to the skin
Inhalation	No adverse effects from inhalation
Ingestion	Gastrointestinal irritation

Chronic Effects on Humans	Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.
Special Remarks on Toxicity to Animals	No additional remark
Special Remarks on Chronic Effects on Humans	No additional remark

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	N/A
PIN UN, Proper Shipping Name, PG	Shipping Name: N/A
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	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
Other Classifications	HCS (U.S.A.) HCS Class: Corrosive Liquid. HCS Class: Toxic.
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) SARA 302 Extremely Hazardous Substances - Not listed

SARA 311 - 1. Immediate (acute) health hazard
SARA 313 Toxic Chemical List – Not listed

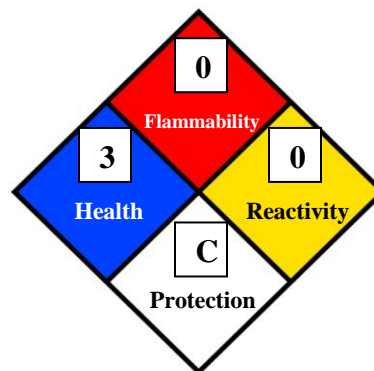
DSD (EEC) R22- Harmful if swallowed.
R35- Causes severe burns

International Regulations Lists No Products were found.

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

HEALTH	3
FIRE	0
REACTIVITY	0

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



WHMIS (Classification) WHMIS CLASS E: Corrosive Liquid. WHMIS CLASS D-1: Material causing immediate and serious toxic effects.

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.**