Safety Data Sheet: BLUE BEAST ADVANCED

Supercedes Date 04/22/2014 **Issuing Date** 05/31/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name BLUE BEAST ADVANCED
Recommended use Cleaning agent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0750
Chemical nature Mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Blue **Physical state** Liquid **Odor** Glycol ether

GHS Classification

Physical Hazards

Corrosive to Metals	Category 1

Health Hazard

Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H314 - Causes severe skin burns and eye damage
H290 - May be corrosive to metals

Precautionary Statements
P280 - Wear protective gloves, protective clothing, eye protection and face protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P260 - Do not breathe mist or vapor
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332 + P313 - If skin irritation occurs, get medical attention.
P363 - Wash contaminated clothing before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a physician.
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P390 - Absorb spillage to prevent damage.
P406 - Store in corrosion resistant container with a resistant inner liner
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Ethanolamine	141-43-5	5-10

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice Do not get in eyes, on skin or on clothing. Do not breathe mist or vapors.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.

Skin Contact Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhalation Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Notes to physician Treat symptomatically. The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

Flash Point > 200 °F / > 93 °C **Method** Seta closed cup

Flammability Limits in Air %: Mixture. **Upper:** 23 **Lower:** 3

Suitable Extinguishing Media

Water spray. Dry chemical. Foam. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions. Contact with metals liberates flammable hydrogen gas.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA	**Health** 3	**Flammability** 1	**Instability** 0
HMIS -	**Health** 3	**Flammability** 1	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

Neutralizing Agent Acetic acid, diluted.

7. HANDLING AND STORAGE

Handling Do not get in eyes, on skin or on clothing. Do not breathe mist or vapors.

Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature **Minimum** 36 °F / 2 °C **Maximum** 120 °F / 49 °C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Ethanolamine	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm TWA: 6 mg/m^3	30 ppm STEL 6 ppm STEL 15 mg/m^3 TWA: 3 ppm TWA: 8 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

- **Eye/Face Protection** Tightly fitting safety goggles. Face-shield.
- **Skin Protection** Wear suitable protective clothing, Impervious gloves.
- **Respiratory Protection** In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Viscosity**	Non viscous
Color	Blue	**Odor**	Glycol ether

Odor Threshold	Not applicable	**Appearance**	Transparent
pH	12	**Specific Gravity**	1.008
Evaporation Rate	No data available	**Percent Volatile (Volume)**	92.9
VOC Content (%)	16.4	**VOC Photoreactive (Y/N)**	Yes
VOC Content (g/L)	165.6	**Vapor Pressure**	16.72 mmHg @ 70°F
Vapor Density	No information available	**Solubility**	Soluble
n-Octanol/Water Partition	No data available	**Melting Point/Range**	No data available
Decomposition Temperature	No data available	**Boiling Point/Range**	> 105 °F / 41 °C
Flammability (solid, gas)	No data available		
Flash Point	> 200 °F / > 93 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Mixture	**Upper:** 23 **Lower:** 3	

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.
Conditions to Avoid Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Products Strong oxidizing agents, Reducing agents, Halogenated hydrocarbon, Aldehydes, Vinyl compounds, Ketones, Bases, Acids.
Decomposition Temperature No data available
Hazardous Decomposition Products Ammonia, Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas, Sulfur oxides, Halogenated compounds, Thermal decomposition can lead to release of irritating gases and vapors.
Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document
Oral LD50 No information available
Dermal LD50 No information available
Inhalation LC50
- **Gas** No information available
- **Mist** No information available
- **Vapor** No information available

Principle Route of Exposure Eye contact, Skin contact, Inhalation.
Primary Routes of Entry Skin contact, Ingestion, Eye contact.
Acute Effects:
- **Eyes** Corrosive to the eyes and may cause severe damage including blindness.
- **Skin** Causes skin burns.
- **Inhalation** Harmful by inhalation. Causes burns.
- **Ingestion** If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Chronic Toxicity Inhaled corrosive substances can lead to a toxic edema of the lungs.
Target Organ Effects Skin, Eyes, Respiratory system, Central nervous system.
Aggravated Medical Conditions Skin disorders, Neurological disorders, Respiratory disorders.

Component Information

Acute Toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Ethanolamine 141-43-5	= 1720 mg/kg (Rat)	= 1000 mg/kg (Rabbit)	No data available	No data available	No data available

Chronic Toxicity

Chemical Name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Ethanolamine 141-43-5	No data available	No data available	No data available	No data available	Skin; Central nervous system; Eyes; Respiratory system

Carcinogenicity Contains no ingredient listed as a carcinogen.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficien
Ethanolamine	EC50 = 15 mg/L Desmodesmus	LC50 = 227 mg/L Pimephales promelas 96 h	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h	65: 48 h Daphnia magna mg/L EC50	-1.91

	subspicatus 72 h	LC50 = 3684 mg/L Brachydanio rerio 96 h LC50 300 - 1000 mg/L Lepomis macrochirus 96 h LC50 114 - 196 mg/L Oncorhynchus mykiss 96 h LC50 > 200 mg/L Oncorhynchus mykiss 96 h	EC50 = 13.7 mg/L 30 min		

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class 8
UN-No UN2735
Packing Group II
Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S.,(ETHANOLAMINE), 8, PG II

TDG
Proper shipping name AMINES, LIQUID, CORROSIVE, N.O.S
Hazard Class 8
UN-No UN2735
Packing Group II
Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S.,(ETHANOLAMINE), 8, PG II

ICAO
UN-No UN2735
Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S
Hazard Class 8
Packing Group II
Shipping Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S.,(ETHANOLAMINE), 8, PG II

IATA
UN-No UN2735
Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S
Hazard Class 8
Packing Group II
ERG-Code 8L
Shipping Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S.,(ETHANOLAMINE), 8, PG II

IMDG/IMO
Proper Shipping Name AMINES, LIQUID, CORROSIVE, N.O.S
Hazard Class 8
UN-No UN2735
Packing Group II
EmS No. F-A, S-B
Description UN2735, AMINES, LIQUID, CORROSIVE, N.O.S.,(ETHANOLAMINE), 8, PG II

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies
U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization
See Section 2

CERCLA

16. OTHER INFORMATION

Prepared By	Adrienne McKee
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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