Safety Data Sheet BLUE BEAST AEROSOL, MM

Supercedes Date 07/09/2015 **Issuing Date** 02/24/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name BLUE BEAST AEROSOL, MM
Recommended use Degreaser
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5350
Chemical nature Aqueous solution of surfactants
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless **Physical state** Gas **Odor** Mild Characteristic

GHS
Classification
Physical Hazards

Gases under pressure	Compressed Gas

Health Hazard

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2B

Other hazards
None

Labeling
Signal Word
WARNING

Hazard statements
H315 - Causes skin irritation
H320 - Causes eye irritation
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements
P251 - Pressurized container: Do not pierce or burn, even after use
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs, get medical attention
P362 - Take off contaminated clothing and wash 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.
P337 + P313 - If eye irritation persists, get medical attention.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place

5 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Petroleum gases, liquified, sweetened	68476-86-8	1-5
2-Butoxyethanol	111-76-2	1-5
Nonylphenol polyethylene glycol ether	127087-87-0	0.1-1
AMMONIA SOLUTION	1336-21-6	0.1-1
Sodium hydroxide	1310-73-2	0.1-1

*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 vapors, mist or gas.

Eye Contact Rinse the eyes with water. Remove any contact lenses and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops.

Skin Contact Wash affected areas with large amounts of soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing and clean shoes before re-use.

Inhalation Remove from the area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion Give 3 to 4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Not applicable **Method** No data available

Flammability Limits in Air %: Hydrogen, by reaction with metals. **Upper:** 75 **Lower:** 4

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Contact with metals may evolve flammable hydrogen gas. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions.

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.

Aerosol Level (NFPA 30B) - 1

NFPA	**Health** 2	**Flammability** 4	**Instability** 1
HMIS	**Health** 2	**Flammability** 4	**Instability** 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. 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 Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.

Neutralizing Agent Acetic acid, diluted.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition. Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist. Wash hands after use prior to eating, smoking, or handling food. Wash contaminated clothing before reuse.

Storage Keep away from heat and sources of ignition. Store in original container. Metal containers must be lined. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight.

Storage Temperature **Minimum** 35 °F / 2 °C **Maximum** 120 °F / 49 °C

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
2-Butoxyethanol	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m^3 Skin	700 ppm TWA: 5 ppm TWA: 24 mg/m^3
Sodium hydroxide	Ceiling: 2 mg/m^3	TWA: 2 mg/m^3	10 mg/m^3 Ceiling: 2 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.
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 Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Gas	**Viscosity**	Non viscous
Color	Colorless	**Odor**	Mild Characteristic
Odor Threshold	Not applicable	**Appearance**	Cloudy
pH	11	**Specific Gravity**	1.001
Evaporation Rate	No data available	**Percent Volatile (Volume)**	>7.7
VOC Content (%)	7.7	**VOC Content (g/L)**	77.077
Vapor Pressure	No data available	**Vapor Density**	>1 (Air = 1.0)
Solubility	Soluble in water	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	-23.98 °F / -31 °C	**Flammability (solid, gas)**	No data available
Flash Point	Not applicable	**Method**	No data available
Autoignition Temperature	237.8 °C		
Flammability Limits in Air %:	Hydrogen, by reaction with metals	**Upper:** 75 **Lower:** 4	

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 acids and strong bases.
Decomposition Temperature No data available
Hazardous Decomposition Products Carbon oxides, Highly toxic fumes.
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
Dermal LD50 No information available
Inhalation LC50
Gas No information available
Mist No information available
Vapor No information available

Principle Route of Exposure Inhalation, Skin contact, Eye contact.
Primary Routes of Entry Skin contact.
Acute Effects:
Eyes Causes eye irritation.
Skin Causes skin irritation.
Inhalation Harmful by inhalation. Causes respiratory tract irritation. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may cause irritation to mucous membranes.
Chronic Toxicity Liver and kidney injuries may occur.
Target Organ Effects Skin, Eyes, Respiratory system, Central nervous system, Liver, Kidney, Blood.
Aggravated Medical Conditions Skin disorders, Respiratory disorders, Neurological disorders, Liver disorders, Kidney disorders, Blood disorders.

Component Information
Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h	no data available	no data available
Nonylphenol polyethylene glycol ether 127087-87-0	= 1310 mg/kg (Rat)	= 1780 µL/kg (Rabbit)	no data available	no data available	no data available
AMMONIA SOLUTION 1336-21-6	= 350 mg/kg (Rat)	no data available	no data available	no data available	no data available
Sodium hydroxide	no data available	= 1350 mg/kg (Rabbit)	no data available	no data available	no data available

1310-73-2					

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
2-Butoxyethanol 111-76-2	no data available	no data available	no data available	no data available	Blood Hematopoietic System Skin Central nervous system Eyes Respiratory system Liver Kidney
Sodium hydroxide 1310-73-2	no data available	no data available	no data available	no data available	Skin Eyes Respiratory system

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
2-Butoxyethanol 111-76-2	A3	Group 3	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Petroleum gases, liquified, sweetened	No information available.	No information available.	No information available	No information available.	2.8
2-Butoxyethanol	No information available.	LC50 = 1490 mg/L Lepomis macrochirus 96 h LC50 = 2950 mg/L Lepomis macrochirus 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	0.81
AMMONIA SOLUTION	No information available.	LC50 = 8.2 mg/L Pimephales promelas 96 h	No information available	0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50	N/A
Sodium hydroxide	No information available.	LC50 = 45.4 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A

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. Should not be released into the environment.
Container Disposal Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT DOT
- **Proper Shipping Name** Consumer commodity
- **Hazard Class** ORM-D
- **Description** Consumer commodity,ORM-D

TDG
- **Proper shipping name** Aerosols
- **Hazard Class** 2.2
- **UN-No** UN1950
- **Description** UN1950, Aerosols, non-flammable, 2.2, LTD QTY

ICAO
- **UN-No** UN1950
- **Proper Shipping Name** Aerosols
- **Hazard Class** 2.2
- **Shipping Description** UN1950, Aerosols, non-flammable, 2.2, LTD QTY

IATA
- **UN-No** UN1950
- **Proper Shipping Name** Aerosols, non-flammable
- **Hazard Class** 2.2
- **ERG-Code** 2L
- **Shipping Description** UN1950, Aerosols, non-flammable ,2.2 LTD QTY

IMDG/IMO

Proper Shipping Name	Aerosols
Hazard Class	2.2
UN-No	UN1950
EmS No.	F-D, S-U
Description	UN1950, Aerosols, 2.2, LTD QTY

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	CAS No.	Weight % *	SARA 313 - Threshold Values
2-Butoxyethanol	111-76-2	1-5	1.0
AMMONIA SOLUTION	1336-21-6	0.1-1	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	Yes	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
AMMONIA SOLUTION	1000 lb	Not applicable
Sodium hydroxide	1000 lb	Not applicable

16. OTHER INFORMATION

Prepared By	Laura Strauss
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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