

Safety Data Sheet

Supersedes Date 06/17/2015

Issuing Date 07/09/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name BLUE BEAST AEROSOL SAMPLE, US MM

Recommended use Degreaser

Information on Manufacturer

CHEMSEARCH DIV. OF NCH CORP.

BOX 152170

IRVING, TX 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

Serious Eye Damage/Eye Irritation

Category 2

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 %
2-Butoxyethanol	111-76-2	1-5
AMMONIA SOLUTION	1336-21-6	0.1-1

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	-200.02 °F / -129 °C	Method	Seta closed cup
Flammability Limits in Air %:	Hydrogen, by reaction with metals.	Upper:	75
		Lower:	4
Suitable Extinguishing Media	Foam. Dry powder. Carbon dioxide (CO ₂). 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 0
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

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	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.

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	-200.02 °F / -129 °C	Method	Seta closed cup
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 Inhalation.

Acute Effects:

Eyes Corrosive to the eyes and may cause severe damage including blindness.

Skin Causes burns.

Inhalation Harmful by inhalation. Causes burns. 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. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Ingestion Inhaled corrosive substances can lead to a toxic edema of the lungs. Liver and kidney injuries may occur.

Chronic Toxicity Inhaled corrosive substances can lead to a toxic edema of the lungs. Liver and kidney injuries may occur.

Target Organ Effects Skin, Eyes, Respiratory system, Central nervous system, Liver, Kidney, Heart, Reproductive System, Immune system.

Aggravated Medical Conditions Skin disorders, Respiratory disorders, Neurological disorders, Liver disorders, Kidney disorders, Heart disease.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
2-Butoxyethanol	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h	no data available	no data available
AMMONIA SOLUTION	= 350 mg/kg (Rat)	no data available	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
2-Butoxyethanol	no data available	no data available	no data available	no data available	liver, kidneys, lymphatic system, skin, blood, eyes, CNS, respiratory system, spleen

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
2-Butoxyethanol	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
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

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

Precautionary Statements -

2L

Response

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

Does not Comply

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

16. OTHER INFORMATION

Prepared By Laura Strauss
 Supersedes Date 06/17/2015
 Issuing Date 07/09/2015
 Reason for Revision No information available.
 Glossary No information available.
 List of References. No information available.

CHEMSEARCH DIV. OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.