

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name BLUE BEAST EF
Recommended Use Cleaning agent Stripping solution
Information on Manufacturer
 CHEMSEARCH DIV. OF NCH CORP.
 BOX 152170
 IRVING, TX 75015

Product Code 0064
Chemical Nature Aqueous solution of surfactants and ethanolamine
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Danger
 Corrosive
 Causes skin and eye burns
 May cause allergic skin reaction
 May cause delayed lung injury and burns
 Harmful or fatal if swallowed

Physical State Liquid

Odor Mint-like

Color Blue
Potential Health Effects
Principle Route of Exposure
Primary Routes of Entry
Acute Effects
Eyes
Skin
Inhalation
Ingestion
Chronic Toxicity
Target Organ Effects
Aggravated Medical Conditions
Potential Environmental Effects

Eye contact, Skin contact, Inhalation.
 Inhalation, Skin Absorption, Ingestion.
 Causes eye burns
 Causes skin burns. May be absorbed through the skin in harmful amounts. May cause allergic skin reaction
 Harmful by inhalation. Causes burns. Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness
 Ingestion causes burns of the upper digestive and respiratory tracts. May be fatal if swallowed
 Liver and kidney injuries may occur, May cause sensitization by skin contact, Inhaled corrosive substances can lead to a toxic edema of the lungs.
 Liver, Kidney, Respiratory system, Central nervous system, Bone Marrow.
 Respiratory disorders, Neurological disorders, Kidney disorders, Liver disorders, Skin disorders.
 See Section 12 for additional Ecological information

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Methyl Salicylate	119-36-8
Ethanolamine	141-43-5
Ethoxylated surfactant blend - HMIRC Reg. # 7130	TRADE SECRET

4. FIRST AID MEASURES

General Advice Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist
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 Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. Remove immediately all contaminated clothing
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 Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Get medical attention immediately. Do NOT induce vomiting
Notes to Physician The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed

5. FIRE-FIGHTING MEASURES

Flash Point >201°F/>94°C **Method** Seta closed cup
Autoignition Temperature No information available
Flammability Limits in Air % Mixture **Upper** 23.5 **Lower** 3.0
Suitable Extinguishing Media
 Alcohol-resistant foam. Dry chemical. Foam. Carbon dioxide (CO2). Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Specific Hazards Arising from the Chemical
 Material can create slippery conditions
Protective Equipment and Precautions for Firefighters
 As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (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 Prevent further leakage or spillage if safe to do so. Ensure adequate ventilation. Use personal protective equipment. 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	Not applicable

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation. Wear personal protective equipment			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Metal containers must be lined. Do not freeze			
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
Methyl Salicylate	No data available	No data available	No data available
Ethanolamine	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL 6 ppm STEL 15 mg/m ³
Ethoxylated surfactant blend - HMIRC Reg. # 7130	No data available	No data available	No data available

Engineering Measures

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield

Skin Protection

Wear suitable protective clothing, Impervious gloves.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of inadequate ventilation wear respiratory protection

General Hygiene Considerations

Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	Blue	Odor	Mint-like
Appearance	Transparent	pH	12
Specific Gravity	1.013	Bulk Density	8.45
Evaporation Rate	0.52 (Butyl acetate=1)	Percent Volatile (Volume)	93
VOC Content (%)	7.9	VOC Photoreactive (Y/N)	Yes
VOC Content (g/l)	80	Vapor Pressure	16.77 mmHg @ 70 °F
Vapor Density	0.6 (Air = 1.0)	Solubility	Completely soluble
Boiling Point/Range	211°F/99°C		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur
Conditions to Avoid	Heat, flames, and sparks
Incompatible Products	Strong oxidizing agents, Reducing agents, Halogenated hydrocarbon, Aldehydes, Vinyl compounds, Ketones, Bases, Acids, Contact with metals liberates hydrogen gas.
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
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Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Methyl Salicylate	887 mg/kg (Rat)	2500 mg/kg (Rat) 5000 mg/kg (Rabbit)	no data available	no data available	no data available
Ethanolamine	1720 mg/kg (Rat)	1 mL/kg (Rabbit) 1025 mg/kg (Rabbit)	no data available	no data available	no data available
Ethoxylated surfactant blend - HMIRC Reg. # 7130	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

None known

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Methyl Salicylate	no data available	no data available	no data available	no data available	CNS, Kidneys
Ethanolamine	no data available	Skin sensitization	no data available	no data available	skin, eyes, respiratory system, CNS
Ethoxylated surfactant blend - HMIRC Reg. # 7130	no data available	no data available	no data available	no data available	kidneys

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Methyl Salicylate	not applicable	not applicable	not applicable	not applicable	not applicable
Ethanolamine	not applicable	not applicable	not applicable	not applicable	not applicable
Ethoxylated surfactant blend - HMIRC Reg. # 7130	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Methyl Salicylate	no data available	no data available	EC50 = 380 mg/L 16 h EC50 = 989 mg/L 1 h	24 Hr EC50 Daphnia magna: 50 mg/L	2.55
Ethanolamine	72 Hr EC50 Scenedesmus subspicatus: 15 mg/L	96 Hr LC50 Pimephales promelas: 227 mg/L [flow-through]; 96 Hr LC50 Brachydanio rerio: 3684 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 300-1000 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 114-196 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: >200 mg/L [flow-through]	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	48 Hr EC50 Daphnia magna: 65 mg/L	-1.91
Ethoxylated surfactant blend - HMIRC Reg. # 7130	EC50 = 0.5 mg/L	no data available	no data available	no data 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
Container Disposal Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name Amines, liquid, corrosive, n.o.s.
Hazard Class 8
UN-No UN2735
Packing Group II
Description Amines, liquid, corrosive, n.o.s.(Ethanolamine),8,UN2735,PG II

TDG

Proper shipping name Amines, liquid, corrosive, n.o.s.
Hazard Class 8
UN-No UN2735
Packing Group II
Description AMINES, LIQUID, CORROSIVE, N.O.S.(Ethanolamine),8,UN2735,PG II

ICAO

UN-No UN2735
Proper Shipping Name Amines, liquid, corrosive, n.o.s.*
Hazard Class 8
Packing Group II
Shipping Description Amines, liquid, corrosive, n.o.s.*(Ethanolamine),8,UN2735,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
Shipping 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372

SARA 311/312 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Methyl Salicylate	Not applicable	Not applicable
Ethanolamine	Not applicable	Not applicable
Ethoxylated surfactant blend - HMIRC Reg. # 7130	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

D2A Very toxic materials, E Corrosive material.

**16. OTHER INFORMATION**

Prepared By	Mike McDowell
Supersedes Date	Not applicable
Issuing Date	07/10/2009
Reason for Revision	No information available
Glossary	No information available
List of References.	No information available

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