

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** BIG BLUE  
**Recommended Use** Cleaning agent  
**Information on Manufacturer**  
 CHEMSEARCH DIV. OF NCH CORP.  
 BOX 152170  
 IRVING, TX 75015

**Product Code** 0623  
**Chemical Nature** Alcohol solution  
**Emergency Telephone Number**  
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

**Emergency Overview**

Danger  
 Flammable liquid and vapor  
 Poison  
 Causes skin irritation  
 Severe eye irritation  
 May be harmful if inhaled  
 Harmful or fatal if swallowed  
 May cause blindness  
 Cannot be made non-poisonous

**Color** Light blue **Physical State** Liquid **Odor** Mild Alcohol

**Potential Health Effects**

**Principle Route of Exposure**

Skin contact, Eye contact, Inhalation.

**Primary Routes of Entry**

Inhalation, Ingestion, Skin Absorption.

**Acute Effects**

**Eyes**

Severe irritation.

**Skin**

Causes skin irritation. Substance may be absorbed through the skin which can contribute to damage to the optic nerve resulting in permanent vision changes, loss of vision, or total blindness.

**Inhalation**

May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Inhalation of vapors in high concentration can cause narcotic effects and metabolic acidosis.

**Ingestion**

Irritating to mouth, throat, and stomach. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Acidosis. May be fatal or cause blindness if swallowed.

**Chronic Toxicity**

Liver and kidney injuries may occur, Inhalation of vapors in high concentration can cause narcotic effects and metabolic acidosis, Repeated or prolonged exposure may cause central nervous system damage.

**Target Organ Effects**

Central nervous system, Gastrointestinal tract, Respiratory system, Eyes, Skin, Liver, Kidney, Blood, Heart.

**Aggravated Medical Conditions**

Respiratory disorders, Skin disorders, Liver disorders, Kidney disorders, Neurological disorders, Blood disorders, Heart disease.

**Potential Environmental Effects**

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Methyl alcohol	67-56-1

4. FIRST AID MEASURES

**General Advice** Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist, or gas.  
**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. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.  
**Inhalation** If inhaled, remove to fresh air. Get medical attention if symptoms occur.  
**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** Ethanol solutions.

5. FIRE-FIGHTING MEASURES

**Flash Point** 65°F/18°C **Method** Seta closed cup  
**Autoignition Temperature** No information available.  
**Flammability Limits in Air** % Mixture **Upper** 36 **Lower** 6  
**Suitable Extinguishing Media**  
 Water spray. Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
**Specific Hazards Arising from the Chemical**  
 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, MSHA/NIOSH (approved or equivalent) and full protective gear.  
**NFPA** **Health** 1 **Flammability** 3 **Instability** 0  
**HMS** **Health** 1 **Flammability** 3 **Instability** 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. 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**

Not applicable.

## 7. HANDLING AND STORAGE

**Handling**

Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist or gas. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.

**Storage**

Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Do not freeze.

**Storage Temperature**

**Minimum** 0°F/-18°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 alcohol	Skin STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL 250 ppm STEL 325 mg/m <sup>3</sup>

**Engineering Measures**

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

**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**

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

<b>Physical State</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Light blue	<b>Odor</b>	Mild Alcohol
<b>Appearance</b>	Transparent	<b>pH</b>	9
<b>Specific Gravity</b>	0.87	<b>Evaporation Rate</b>	2.95 (Butyl acetate=1)
<b>Percent Volatile (Volume)</b>	100	<b>VOC Content (%)</b>	60
<b>VOC Content (g/l)</b>	522	<b>Vapor Pressure</b>	62 mmHg @ 70 °F
<b>Vapor Density</b>	1 (Air = 1.0)	<b>Solubility</b>	Completely soluble
<b>Boiling Point/Range</b>	148°F/64°C		

## 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

**Hazardous Decomposition Products**

Carbon oxides, Formaldehyde.

**Possibility of Hazardous Reactions**

None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

No information available.

**Component Information****Acute toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Methyl alcohol	5628 mg/kg ( Rat )	15800 mg/kg ( Rabbit )	83.2 mg/L ( Rat ) 4 h 64000 ppm ( Rat ) 4 h	no data available	no data available

**Chronic Toxicity**

None known

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Methyl alcohol	no data available	no data available	no data available	no data available	skin, eyes, CNS, GI tract, respiratory system

**Carcinogenicity**

Component	ACGIH	IARC	NTP	OSHA	Other
Methyl alcohol	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 alcohol	no data available	96 Hr LC50 Pimephales promelas: 28200 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas:>100 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss:19500-20700 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss:18-20 ml/L [static]; 96 Hr LC50 Lepomis macrochirus:13500-17600 mg/L [flow-through]	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	no data available	-0.77

**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** Methanol Solution  
**Hazard Class** 3  
**UN-No** UN1230  
**Packing Group** II  
**Description** UN1230, Methanol Solution, 3, PG II

**TDG**

**Proper shipping name** Methanol Solution  
**Hazard Class** 3  
**Subsidiary Hazard Class** (6.1)  
**UN-No** UN1230  
**Packing Group** II  
**Description** UN1230, METHANOL SOLUTION,3 (6.1),UN1230,PG II

**ICAO**

**UN-No** UN1230  
**Proper Shipping Name** Methanol Solution  
**Hazard Class** 3  
**Subsidiary Hazard Class** 6.1  
**Packing Group** II  
**Shipping Description** UN1230, Methanol Solution, 3(6.1),PG II

**IATA**

**UN-No** UN1230  
**Proper Shipping Name** Methanol Solution  
**Hazard Class** 3  
**Subsidiary Hazard Class** 6.1  
**Packing Group** II  
**ERG Code** 3P  
**Shipping Description** UN1230,Methanol Solution, 3 (6.1),PG II

**IMDG/IMO**

**Proper Shipping Name** Methanol Solution  
**Hazard Class** 3  
**Subsidiary Hazard Class** 6.1  
**UN-No** UN1230  
**Packing Group** II  
**EmS No.** F-E, S-D  
**Shipping Description** UN1230, Methanol Solution, 3 (6.1),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

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Methyl alcohol	67-56-1	40-70	1.0

## SARA 311/312 Hazardous Categorization

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

Component Methyl alcohol	Hazardous Substances RQs 5000 lb	CERCLA EHS RQs Not applicable
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## 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

B2 Flammable liquid, D1B Toxic materials, D2A Very toxic materials, D2B Toxic materials.



## 16. OTHER INFORMATION

Prepared By	Kristen Stansbury
Supersedes Date	08/30/2006
Issuing Date	08/24/2009
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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