

SAFETY DATA SHEET
CHEM BLUE

Revision Number 9, Revision Date 2025.08.20

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name	CHEM BLUE
Manufacturer and Supplier	CHEM CLEAN LTD
Address:	#58-60 Century Drive Trincity Industrial Estate Macoya Trinidad and Tobago
Telephone Number	(868)-223-2436
Website:	www.chemclean.solutions
Recommended use:	PET and Polycarbonate Bottle Cleaner
Restriction on use:	For specific intended-use guidance, please refer to the information provided on the package or Product Data Sheet

2. HAZARDS IDENTIFICATION

GHS Classification

Skin and eye irritation: Category 2A

GHS Label element

Hazard pictograms:



Signal Word: Warning

Hazard Statements: Harmful if swallowed.
Causes serious eye irritation.
Causes severe irritation of skin, nose and throat.

Precautionary Statements: P102: Keep out of reach of children.
P103: Read label before use.

Prevention Precautionary Statements:	P233: Keep container tightly closed.
Response Precautionary Statements:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, get medical advice/attention. IF ON SKIN: Immediately remove all contaminated clothing. If a rash appears, get medical advice/attention.
Storage Precautionary Statements:	Store in a closed container in a cool, dry place away from sunlight.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	CHEMICAL NAME	CONCENTRATION (w/w/%)
111-76-2	2-butoxyethanol	25 - 45
141-43-5	Monoethanolamine	5 - 20
Proprietary	Surfactant Blend	*
111-42-2	Diethanolamine	<1

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

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

Skin Contact	<ul style="list-style-type: none"> ◆ Immediately flush skin with plenty of cool running water for at least 15 minutes. ◆ Immediately remove contaminated clothing and wash before reuse ◆ Immediate Medical Attention is required if irritation persists or burns develop. ◆ Would not irritate in diluted solution.
Eye Contact	<ul style="list-style-type: none"> ◆ Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. ◆ Check for and remove any contact lenses if applicable. ◆ Continue to rinse for at least 15 minutes. If irritation persists, get medical attention.

Inhalation	<ul style="list-style-type: none"> ◆ If affected, move to fresh air and keep at rest in a position comfortable for breathing. ◆ If not breathing, give artificial respiration. ◆ Immediate medical attention is required.
Ingestion	<ul style="list-style-type: none"> ◆ Wash out mouth with water. Remove dentures if any. ◆ Remove victim to fresh air and keep at rest in a position comfortable for breathing. ◆ If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. ◆ Do not induce vomiting unless directed to do so by medical personnel. ◆ If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. ◆ Never give anything by mouth to an unconscious person. ◆ If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Aggravated Medical Conditions	<ul style="list-style-type: none"> ◆ Pre-existing skin disorder ◆ Respiratory (if mists or vapors inhaled) ◆ Dermatitis ◆ Long-term overexposure to some glycol ethers by skin absorption or inhalation may cause kidney, liver or blood effects

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	<ul style="list-style-type: none"> ◆ Use CO₂, water spray, foam or dry chemical.
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> ◆ Avoid high volume jet water as this will spread fire.
Specific Hazards	<ul style="list-style-type: none"> ◆ Cool exposed containers with water spray to prevent pressure build-up. ◆ Must wear NIOSH approved self-contained breathing apparatus and protective clothing.
Special exposure hazards arising from the substance, or preparation itself, its combustion products or released gases	<ul style="list-style-type: none"> ◆ Can react with soft metals such as Aluminum or Zinc generating hydrogen gas which is flammable and/or combustible in the presence of an ignition source.
Special Protective Equipment for fire-fighters	<ul style="list-style-type: none"> ◆ As in any fire, wear NIOSH approved self-contained breathing apparatus and full protective gear. ◆ Avoid exposure to mists and splashes.
Specific Methods	<ul style="list-style-type: none"> ◆ Cool containers / Tanks with water spray. ◆ Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	<ul style="list-style-type: none"> ◆ No respiratory equipment normally required. ◆ Use personal protective equipment. ◆ Use of goggles or face shield when handling product.
Environmental Precautions	<ul style="list-style-type: none"> ◆ Dilute and neutralize waste very carefully and discharge in accordance with Government Regulations.
Methods for cleaning up	<ul style="list-style-type: none"> ◆ Small spills: Wash down with large quantities of water in sanitary sewer. ◆ Large spills: Dike to prevent runoff. Reclaim as much as possible. Absorb remainder with inert material (sand or vermiculite) and place in compatible container for disposal. Flush residue with large amounts of water in accordance with Government regulations.

7. HANDLING AND STORAGE

Handling

Safe Handling Advice	<ul style="list-style-type: none"> ◆ Avoid contact with eyes, skin and clothing. Do not swallow.
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Storage

Technical Measures/Precautions	<ul style="list-style-type: none"> ◆ Keep containers tightly closed in a cool, dry area. ◆ Keep container closed when not in use. ◆ Store only in original properly labeled container. ◆ Do not reuse empty containers – they may contain residues.
Incompatible Products	<ul style="list-style-type: none"> ◆ Do not mix with acid solutions.
Specific use(s)	<ul style="list-style-type: none"> ◆ PET and Polycarbonate Bottle Cleaner

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<u>Engineering Measures</u>	<ul style="list-style-type: none"> ◆ The use of local exhaust ventilation is not required.
<u>Personal Protective Equipment</u>	
Hand Protection	<ul style="list-style-type: none"> ◆ Rubber gloves with cuffs as needed to avoid prolong contact.
Eye Protection	<ul style="list-style-type: none"> ◆ Goggles or face shield when handling concentrate ◆ Safety eyebath nearby.
Respiratory Protection	<ul style="list-style-type: none"> ◆ None normally required
Skin and Body Protection	<ul style="list-style-type: none"> ◆ Use chemical protective clothing for repeated or prolonged contact. ◆ Coveralls, apron, gloves, boots could be worn.
Hygiene Measures	<ul style="list-style-type: none"> ◆ Keep away from food, drink and feed. ◆ Wash skin thoroughly after handling. ◆ When using, do not eat, drink or smoke.

	◆ Do not wear clothing soaked with product.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Colorless
Odor	Mild Solvent
Molecular Wt.	N/A
pH (100% solution)	10.9 -12.3
Boiling pt	N/A
Specific gravity	0.9 - 1.01
Viscosity (CSTS)	Not specified
Solubility in water	100%
Vapor Pressure	N/A
Vapor Density (AIR=1)	N/A
Evaporation Rate (WATER:1)	N/A
Freezing Point	N/A
Volatile Organic Compounds	N/A

10. STABILITY AND REACTIVITY

Stability	◆ Stable under normal conditions
Conditions to avoid	◆ None
Materials to avoid	◆ Acid cleaners
Hazardous Decomposition Products	◆ If evaporated to dryness, as in a fire, may release soot and smoke.
Polymerization	◆ Will not occur

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: eye and/or skin contact, ingestion, inhalation

Potential Health Effects:

Eyes: Causes severe burns.

Skin: May cause severe irritation or burns which may not be immediately painful or visible.

Inhalation: May cause irritation to nose and throat. Possible tissue damage, headache, nausea or dizziness.

Ingestion: May cause burns to mucous membranes of mouth, throat and digestive tract. Can cause nausea and irritation if ingested.

Chronic exposure: Headache, dry skin or skin irritation may occur.

Acute inhalation toxicity: No data available

Skin corrosion/toxicity: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Carcinogenicity: No data available

Reproductive effects: No data available

Germ cell mutagenicity: No data available

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations.

Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/Unused products	Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations. Consult the Environmental Protection Agency before disposing of any chemicals. Refer to the Environmental Management Authority (EMA) for complete waste disposal regulations
Contaminated Packaging	Empty containers should be taken for recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

This product is not classified as dangerous according to international transport regulations (DOT, ADR, IMDG or IATA).

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

The information in the Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, we assume no liability resulting from use of SDS information.

End of Safety data sheet