

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

Product Name	EMERALD
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:	Manual Dishwashing Liquid and General 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

Eye irritation: Category 2A

GHS Label element

Hazard pictograms:



Signal Word: Warning

Hazard Statements: Harmful if swallowed.
Causes serious eye irritation

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, immediately stop use and 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 (%)
27176-87-0	Linear Alkyl Benzene Sulphonic Acid	5 -10
9004-82-4	Sodium Lauryl Ether Sulphate	1 - 8

Any concentration shown as a range is to protect confidentiality.

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"> ◆ Not Applicable
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"> ◆ Not applicable
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

	<p>personnel.</p> <ul style="list-style-type: none"> ◆ 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
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	◆ Use CO ₂ , water spray, foam or dry chemical.
Extinguishing media which must not be used for safety reasons	◆ 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	◆ Product will not burn.
Special Protective Equipment for fire-fighters	◆ As in any fire, wear NIOSH approved self-contained breathing apparatus and full protective gear.
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	◆ No respiratory equipment normally required
Environmental Precautions	◆ 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

7. HANDLING AND STORAGE

Handling

Safe Handling Advice	<ul style="list-style-type: none"> ◆ Wash hands immediately after contact to avoid hand-eye transfer
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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 mix with anything but water
Incompatible Products	<ul style="list-style-type: none"> ◆ None
Specific use(s)	<ul style="list-style-type: none"> ◆ Manual Concentrated Dishwashing Liquid ◆ General Cleaner

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<u>Engineering Measures</u>	<ul style="list-style-type: none"> ◆ The use of local exhaust ventilation is not recommended
<u>Personal Protective Equipment</u>	
Hand Protection	<ul style="list-style-type: none"> ◆ Use Rubber gloves only if needed
Eye Protection	<ul style="list-style-type: none"> ◆ Safety eyebath nearby
Respiratory Protection	<ul style="list-style-type: none"> ◆ None normally required
Skin and Body Protection	<ul style="list-style-type: none"> ◆ None normally required
Hygiene Measures	<ul style="list-style-type: none"> ◆ Keep away from food, drink and feed ◆ Wash skin thoroughly after handling

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous Liquid
Color	Dark Green
Odor	Lemon Fragrance
Molecular Wt.	N/A
pH (100% solution)	7.0-9.0
Boiling pt	N/A
Specific gravity	1.010-1.030
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	<ul style="list-style-type: none"> ◆ Stable under normal conditions
Conditions to avoid	<ul style="list-style-type: none"> ◆ None

Materials to avoid	◆ None
Hazardous Decomposition Products	◆ None determined
Polymerization	◆ Will not occur

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: eye contact

Potential Health Effects:

Eyes: May cause irritation.

Skin: None.

Inhalation: None, if used in adequately ventilated area.

Ingestion: May cause irritation and nausea.

Chronic exposure: No data available

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