SAFETY DATA SHEET
805CLN

Revision Date: May 26, 2015 **Version:** 2.1
Supersedes: April 9, 2012

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

Product Name: UltraLite™ Dye and General Purpose Cleaner
Part Number: 805CLN
Product Use: To remove Leak Tracer Dye from engines
Manufacturer: Cliplight Manufacturing
961 Alness Street
Toronto, ON M3J 2J1, Canada
email: sales@cliplight.com
Telephone: +1 416 736 9036

Emergency Telephone: +1 613 996 6666 (Canutec)

Section 2 – Hazards Identification

GHS Classification

Skin corrosion/irritation: Category 1
Eye damage/irritation: Category 1
Acute toxicity, oral: Category 4
Hazardous to the aquatic environment – Short term: Acute 2

Label elements:

Danger

Hazard statements:
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H401: Toxic to aquatic life

Precautionary statements:
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
P301+P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention immediately.
P303 + P361 + P353 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents and container in accordance with local, state and national regulations.

Section 3 – Composition/Information on Ingredients

Ingredient Name	CAS No.	EC No.	Composition, wt%
Alcohol Ethoxylate	68991-48-0	None	1 – 3
Nonylphenol Ethoxylate	9016-45-9	None	1 – 3
Potassium Hydroxide	1310-58-3	215-181-3	1 – 3
2-Butoxyethanol	111-76-2	203-905-0	1 – 3

Remaining components of this product are not classified as hazardous under the GHS, 29 CFR 1910.1200, WHMIS 2015, or (EC) No 1272/2008.

Section 4 – First-Aid Measures

Inhalation
Move to fresh air and restore breathing, if required. Seek medical attention.

Eye Contact
Remove contact lenses. Flush eyes with cool running water holding eyelids apart to ensure thorough rinsing for at least 15 minutes. Seek medical attention immediately.

Skin Contact
Wash with soap and water for at least 15 minutes. Remove contaminated clothing and launder.

Ingestion
Do not induce vomiting. Wash out mouth with water. Do not give anything by mouth to a convulsing or unconscious person. Seek medical attention immediately.

Acute and Delayed Symptoms
None in addition to above in section 2.

Special Treatment Needed
Get medical treatment immediately.

Section 5 – Fire-Fighting Measures

Extinguishing media
The product itself is non-flammable.

Special hazards arising from the substance or mixture
In a fire situation, potassium oxides can be produced.

Advice for firefighters
Self-contained breathing apparatus and protective clothing as required.

Section 6 – Accidental Release Measures

Personal precautions
Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Wear chemical-resistant gloves and clothing and chemical safety goggles or safety glasses with side shields.

Environmental precautions
Provide adequate ventilation. Avoid runoff to sewers and waterways.

Methods and materials for containment and cleaning up
Cover spill with dry-lime, sand, or soda ash. Place in covered containers and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

Section 7 – Handling and Storage

Precautions for safe handling
Avoid breathing vapour. Avoid contact with eyes, skin and clothing. Do not mix with other chemicals.

Conditions for safe storage
Store in a cool, dry and well-ventilated area. Do not store near acids or oxidizers.

Section 8 – Exposure Controls/Personal Protection

Component	CAS No.	Value	Control Parameter	Basis
Potassium Hydroxide	1310-58-3	STEL	2 mg/m3	ACGIH, UK EH40 WEL
2-Butoxyethanol	111-76-2	STEL	50 ppm/ 240 mg/m3	OSHA, EC Directive 2000/39/EC
2-Butoxyethanol	111-76-2	TWA	20 ppm/ 94 mg/m3	ACGIH, EC Directive 2000/39/EC

Engineering Controls
Apply local exhaust where misting may occur, otherwise general room ventilation is expected to be sufficient for use of the product.

Protective Equipment
Wear chemical-resistant gloves and chemical safety goggles or safety glasses with side shields and chemical protective clothing.

Hygiene
Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 – Physical and Chemical Properties

Appearance	Fluorescent yellow liquid
Odour	Mild soapy
Odour threshold	No data available
pH	12.5-13.5
Melting point/freezing point	No data available
Initial boiling point/ boiling range	Near 100°C (212°F)
Flash point	None
Evaporation rate	No data available
Flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	Heavier than air
Specific gravity	1.05-1.11@ 20°C
Solubility in water	100%

Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
% Volatile	Approx. 90%

Section 10 – Stability and Reactivity

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
Unlikely

Conditions to avoid
No data available

Incompatible materials
Acids, strong oxidizing agents

Hazardous decomposition products
In a fire situation, potassium oxides can be produced.

Section 11 – Toxicological Information

The toxicological properties of this product have not been investigated.
Information for some components is provided below.

Acute toxicity

Oral LD50 rat:	Potassium hydroxide: 333 mg/kg 2-Butoxyethanol: 470 mg/kg
Skin LD50 rat:	2-Butoxyethanol: 220 mg/kg (intraperitoneal) 2-Butoxyethanol: 307 mg/kg (intravenous)
Inhalation LC50 rat:	2-Butoxyethanol: 450 ppm

Skin corrosion/irritation

Rabbit:	Nonylphenol ethoxylate: mild skin irritation Potassium hydroxide: severe skin irritation 2-Butoxyethanol: open irritation test

Serious eye damage/irritation

Rabbit:	2-Butoxyethanol – no irritation Potassium hydroxide: severe eye irritation Nonylphenol ethoxylate: severe eye irritation

Respiratory or skin sensitization
Prolonged or repeated exposure may cause allergic reactions in some sensitive individuals.

Repeated Dose Toxicity
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
None of the components of this product is identified as a carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive toxicity
No data available

Specific target organ toxicity
No data available

Aspiration hazard
No data available

Potential Health Effects:

Inhalation: Destructive to tissues of mucous membranes and the upper respiratory tract.
Skin: Causes burns.
Eyes: Contact will cause severe damage to eyes.
Ingestion: Severe irritation or damage if swallowed.

Section 12 – Ecological Information

No data are available for the ecological effects of this product; some information on components is provided below.

Toxicity to fish:

Potassium hydroxide
LC50 – 96 h
Species: Gambusia affinis
Result: >80 mg/l

2-Butoxyethanol
LC50 – 96 h
Species: Other fish
Value: 220 mg/l

Nonylphenol ethoxylate
LC50 – 96 h
Species: Lepomis macrochirus
Value: 1.0 mg/l

Nonylphenol ethoxylate
Mortality LOEC – 144 h
Species: Pimephales promelas
Value: 2.0 mg/l

	Nonylphenol ethoxylate Mortality NOEC – 144 h Species: Pimephales promelas Value: 1.8 mg/l
Toxicity to other Organisms	Nonylphenol ethoxylate EC50 – 48 h Species: Daphnia magna Value: 12.2-17.0 mg/l
	Nonylphenol ethoxylate Mortality LOEC – 144 h Species: Daphnia magna Value: 20.0 mg/l
	Nonylphenol ethoxylate Mortality NOEC – 144 h Species: Daphnia magna Value: 10.0 mg/l
Toxicity to algae	Nonylphenol Ethoxylate Growth inhibition LOEC – 96 h Species: Pseudokirchneriella subcapitata Value: 16.0 mg/l
	Nonylphenol ethoxylate Growth inhibition NOEC – 96 h Species: Pseudokirchneriella subcapitata Value: 8.0 mg/l

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

Section 13 – Product Disposal

Product
Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

Contaminated packaging
Dispose of as product.

Section 14 – Transport Information

Shipping Name: POTASSIUM HYDROXIDE, SOLUTION
UN#: 1814
Class: 8
Packing Group: Packing Group III
Limited Quantity Exemption: 5L/container

Section 15 – Regulatory Information

All components of this product are listed in the U.S. Toxic Substances Control Act (TSCA) Inventory.

All components of this product are on the Canadian Domestic Substances List (DSL).

All components of this product are on or in compliance with the Australian Inventory of Chemical Substances (AICS).

A chemical safety assessment has not been carried out for this product.

Section 16 – Other Information

HMIS CLASSIFICATION

Health Hazard:	3
Flammability:	0
Reactivity:	0

Notes to this Revision

This version 2.1 (May 26, 2015) has been updated from the previous version of April 9, 2012 to conform to the requirements of the GHS, OSHA Hazard Communications Standard 2012, WHMIS 2015 and (EU) No 453/2010 from June 1, 2015.

Changes have been made to the classification of the product. In addition, information has been expanded in many sections related to the safe use, handling and storage of the product.

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