

SAFETY DATA SHEET

805CLN

Revision Date: May 26, 2015

Supersedes: April 9, 2012

Version: 2.1

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
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Toronto, ON M3J 2J1, Canada

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Telephone: +1 416 736 9036

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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.

SAFETY DATA SHEET**805CLN****Revision Date:** May 26, 2015**Version:** 2.1**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.

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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/m ³	ACGIH, UK EH40 WEL
2-Butoxyethanol	111-76-2	STEL	50 ppm/ 240 mg/m ³	OSHA, EC Directive 2000/39/EC
2-Butoxyethanol	111-76-2	TWA	20 ppm/ 94 mg/m ³	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%

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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
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Serious eye damage/irritation

Rabbit:	2-Butoxyethanol – no irritation Potassium hydroxide: severe eye irritation Nonylphenol ethoxylate: severe eye irritation
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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: <i>Gambusia affinis</i> Result: >80 mg/l
	2-Butoxyethanol LC50 – 96 h Species: Other fish Value: 220 mg/l
	Nonylphenol ethoxylate LC50 – 96 h Species: <i>Lepomis macrochirus</i> Value: 1.0 mg/l
	Nonylphenol ethoxylate Mortality LOEC – 144 h Species: <i>Pimephales promelas</i> Value: 2.0 mg/l

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	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.

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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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