

# SAFETY DATA SHEET

Customer



Date Prepared : 10/31/2014

SDS No : LB-V002

Date Revised : 4/2/2015

Revision No : 1

## OPTICLEAN V LIQUID BRIGHTENER

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** OPTICLEAN V LIQUID BRIGHTENER  
**GENERAL USE:** Combination Liquid Detergent and Oxygen Bleach  
**PRODUCT CODE:** 604

**MANUFACTURER**

FiberTech, L.L.C.  
 500 Dakin Street  
 Jefferson, LA 70121

**Manufacturer's Phone:** 800-299-2166

**24 HR. EMERGENCY TELEPHONE NUMBERS**

INFOTRAC(For Chemical Emergency):  
 800-535-5053

**COMMENTS:** For Commercial or Institutional Use Only

### 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Acute Toxicity (Oral), Category 4  
 Skin Irritation, Category 2  
 Eye Irritation, Category 2A



Exclamation  
 mark

**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS**

H302: Harmful if swallowed.  
 H315: Causes skin irritation.  
 H319: Causes serious eye irritation.

**PRECAUTIONARY STATEMENTS****Prevention:**

P102: Keep out of reach of children.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash ... thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.

**POTENTIAL HEALTH EFFECTS**

**INHALATION:** Inhalation of mists may cause respiratory tract irritation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt.%	CAS
Water	≥ 91.45	7732-18-5
Hydrogen Peroxide	≤ 7.25	7722-84-1
Octyl Dimethyl Amine Oxide	≤ 1.25	2605-78-9
Decyl Dimethyl Amine Oxide	≤ 0.55	2605-79-0

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**ACUTE EFFECTS:** Product mist may cause severe irritation to nose, skin, and respiratory tract. Ingestion may result in abdominal pain, nausea, and vomiting.

**CHRONIC EFFECTS:** The effects of long term exposure to this product have not been determined. Safe handling of this product on a long term basis should emphasize the avoidance of all effects from repetitive acute exposure.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Flood with water.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**FIRE EXPLOSION:** Product is non-combustible. On decomposition releases oxygen which may intensify fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxygen which supports combustion, steam, and heat.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Clean up as much as possible for proper disposal. Dilute residue with large quantities of water. Observe all precautions during cleanup. Dispose of in accordance with all local, state and federal environmental regulations. Wear appropriate personal protective equipment during cleanup.

**LARGE SPILL:** Dilute with a large volume of water and hold in a pond or diked area until hydrogen peroxide decomposes. Dispose according to methods outlined for waste disposal. Combustible materials exposed to hydrogen peroxide should be immediately submerged in or rinsed with large amounts of water to ensure that all hydrogen peroxide is removed. Residual hydrogen peroxide that is allowed to dry (upon evaporation hydrogen peroxide can concentrate) on organic materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire. Avoid runoff into storm drains and ditches which lead to waterways. Dispose of in accordance with all local, state and federal environmental regulations.

**GENERAL PROCEDURES:** Observe all precautions during cleanup. Dispose of in accordance with all local, state,

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and federal environmental regulations.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear appropriate personal protective equipment as specified in section 8.

**COMMENTS:** See section 4 for First Aid advice, section 5 for firefighting information, section 7 for information on safe handling, and section 13 for disposal information.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Follow all SDS/label precautions even after container is emptied because it may retain product residue.

**HANDLING:** Wear chemical splash-type monogoggles and full-face shield, impervious clothing, such as rubber, PVC, etc., and rubber or neoprene gloves and shoes. Avoid cotton, wool and leather. Avoid excessive heat and contamination. Contamination may cause decomposition and generation of oxygen gas which could result in high pressures and possible container rupture. Products containing hydrogen peroxide should be stored only in vented containers. Never return unused product to original container. Empty drums should be triple rinsed with water before discarding. Utensils used for handling should only be made of glass, stainless steel, aluminum or plastic

**STORAGE:** Store away from heat source and away from combustibles. Keep out of reach of children.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Hydrogen Peroxide	TWA	1	1.4	1	1.4	1	1.4
Octyl Dimethyl Amine Oxide	TWA					1	1.4
Decyl Dimethyl Amine Oxide	TWA					1	1.4

**ENGINEERING CONTROLS:** Ventilation should be provided to minimize the release of hydrogen peroxide vapors and mists into the work environment. Spills should be minimized or confined immediately to prevent release into the work area. Remove contaminated clothing immediately and wash before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety goggles, full face shield.

**SKIN:** Wear liquid proof rubber or neoprene gloves. Thoroughly rinse the outside of gloves with water prior to removal. Inspect gloves regularly for leaks.

**RESPIRATORY:** NIOSH/MSHA approved respirator should be worn when mists are generated.

**PROTECTIVE CLOTHING:** Impervious clothing materials such as rubber, neoprene, nitrile or polyvinyl chloride. Avoid cotton, wool and leather.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling this product. Do not eat, drink or smoke in work area especially when handling this product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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Chemical Name	Boiling Point (°C)	Freezing Point (°C)	Solubility in Water	Specific Gravity
Water	100	0.01	NA	1
Hydrogen Peroxide	125.55	-40	Soluble	1.29
Octyl Dimethyl Amine Oxide	100	No Data	Soluble	0.99
Decyl Dimethyl Amine Oxide	100	No Data	Soluble	0.97

**ODOR:** Mild, organic odor**APPEARANCE:** Clear, colorless liquid**pH:** pH (as is) : ~5.2**FLASH POINT AND METHOD:** NA = Not Applicable**FLAMMABLE LIMITS:** N.A. to N.A.**AUTOIGNITION TEMPERATURE:** NA = Not Applicable**VAPOR PRESSURE:** NA = Not Applicable**VAPOR DENSITY:** NA = Not Applicable**BOILING POINT:** NA = Not Applicable**FREEZING POINT:** NA = Not Applicable**MELTING POINT:** NA = Not Applicable**SOLUBILITY IN WATER:** Soluble**EVAPORATION RATE:** NA = Not Applicable**DENSITY:** NA = Not Applicable**SPECIFIC GRAVITY:** ~ 1.017 at 25°C (77°F)**VISCOSITY:** NA = Not Applicable**COEFF. OIL/WATER:** NA = Not Applicable**OXIDIZING PROPERTIES:** NA = Not Applicable**10. STABILITY AND REACTIVITY****HAZARDOUS POLYMERIZATION:** Will not occur.**STABILITY:** Contamination could cause decomposition.**CONDITIONS TO AVOID:** Excessive heat or contamination could cause product to become unstable.**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxygen which supports combustion, steam, and heat.**INCOMPATIBLE MATERIALS:** Heavy metals and their salts, reducing agents, strong oxidizers, alkalis, particulate solids and materials with a pH above 4. Avoid contact with rust, dirt, copper, copper alloys, galvanized metals, other heavy metals, organic materials, wood, paper, and other combustible materials.**11. TOXICOLOGICAL INFORMATION****ACUTE**

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Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Hydrogen Peroxide	805 mg/kg (rat)	> 6.5 g/kg (rabbit)	> 0.17 mg/l (rat)
Octyl Dimethyl Amine Oxide	> 3600 mg/kg (rat)		
Decyl Dimethyl Amine Oxide	> 500 to 5000 mg/kg (rat)		

**DERMAL LD<sub>50</sub>:** Results, 70% Hydrogen Peroxide

**ORAL LD<sub>50</sub>:** Results, 70% Hydrogen Peroxide

**INHALATION LC<sub>50</sub>:** Results, 50% Hydrogen Peroxide

**NOTES:** Ingestion may result in abdominal pain, nausea, and vomiting. Inhalation of mists may cause respiratory tract irritation.

**EYE EFFECTS:** Causes serious eye irritation.

**SKIN EFFECTS:** Causes skin irritation.

**CHRONIC:** The effects of long term exposure to this product have not been determined. Safe handling of this product on a long term basis should emphasize the avoidance of all effects from repetitive acute exposure.

### CARCINOGENICITY

Chemical Name	IARC Status
Hydrogen Peroxide	3

**Notes:** The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans). The American Conference of Governmental Industrial Hygienists (ACGIH) has concluded that hydrogen peroxide is a 'Confirmed Animal Carcinogen with Unknown Relevance to Humans' (A3).

**COMMENTS: Routes of Entry: Inhalation:** Yes, **Eyes:** Yes, **Skin Absorption:** No, **Ingestion:** Yes

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not established.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Clean up as much as possible for proper disposal. Observe all precautions during cleanup. Dispose of in accordance with all local, state and federal environmental regulations.

**EMPTY CONTAINER:** Remove all residue product before disposing of container.

**COMMENTS:** See Section 8 for exposure controls and personal protection.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

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**OPTICLEAN V LIQUID BRIGHTENER****PROPER SHIPPING NAME:** Not regulated.**TECHNICAL NAME:** Not regulated.**UN/NA NUMBER:** N/A**PACKING GROUP:** N/A**15. REGULATORY INFORMATION****UNITED STATES****CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** Hydrogen Peroxide**CERCLA RQ:** 1,000 LBS.**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS	TSCA SECTION
Hydrogen Peroxide	7722-84-1	
Octyl Dimethyl Amine Oxide	2605-78-9	8a,
Decyl Dimethyl Amine Oxide	2605-79-0	

**16. OTHER INFORMATION****REASON FOR ISSUE:** Updated per GHS Format**APPROVED BY:** Compliance and Safety**PREPARED BY:** Compliance and Safety      **Date Revised:** 4/2/2015**REVISION SUMMARY:** This SDS replaces the 4/2/2015 SDS. Revised: **Section 16:** COMMENTS.**MANUFACTURER DISCLAIMER:** The above information is believed to be correct based on the data available to us. However, FiberTech, L.L.C. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. FiberTech, L.L.C. assumes no responsibility for injury from the use of the product herein.