

**SECTION 1 - IDENTIFICATION**

<b>GHS Product Identifier:</b>	<b>BWT-205</b>	<b>Company Name:</b>	KML, Incorporated
<b>Other means of identification:</b>	Not available.	<b>Company Address:</b>	P.O. Box 380 108 South Main Street LaOtto, IN 46763-0380
<b>Product type:</b>	Clear Liquid.	<b>Company Phone:</b>	(800) 423-1879
<b>Product use and restrictions on use:</b>	See label and/or product bulletin.	<b>24 Hour Emergency:</b>	(800) 424-9300 CHEMTREC

**SECTION 2 - HAZARDS IDENTIFICATION**

**Hazard Classification of Substance or Mixture:** Skin Irritation - Category 3  
Eye Irritation - Category 2B

**GHS Label Elements:**Hazard Pictograms:

Signal Word: **Warning**

<u>Hazard Statements:</u>	H316	Causes mild skin irritation.
	H320	Causes eye irritation.

Precautionary Statements

P264 Wash areas exposed to product thoroughly after handling.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.



**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Ingredients</u>	<u>CAS #</u>	<u>% BY WT</u>
Sodium Hydroxide	1310-73-2	2 - 6

Exact percentages are withheld as trade secrets. While some ingredients are claimed trade secret in accordance with OSHA 29 CFR 1910.1200(f), all known hazards are clearly communicated within this document.

**SECTION 4 - FIRST AID MEASURES**

**Inhalation:** If inhaled, immediately move to fresh air. If individual experiences nausea, headache, dizziness, difficulty in breathing or is cyanotic, seek a health care professional immediately. If breathing stops administer artificial respiration. If breathing is difficult administer oxygen.

**Eyes:** Do not rub eyes. With eyelids open, flush eyes immediately with water/saline for a minimum of 15 minutes. Take exposed individual to a health care professional.

**Skin:** Remove contaminated clothing. Wash area with soap & water for 15 min. If irritation persists, get medical assistance. Wash contaminated clothing.

**Ingestion:** DO NOT INDUCE VOMITING. If conscious, first rinse mouth with copious amounts of water. Irrigate the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water. Seek immediate medical assistance or contact the Poison Control Center.

**Notes to physician:** No specific antidote is known. Possible mucosal damage may contraindicate the use of gastric lavage. Treat symptoms.

See toxicological information (Section 11)

**SECTION 5 - FIRE FIGHTING MEASURES**

**Extinguishing Media:** Water fog, foam, dry chemical, carbon dioxide.

**Fire-Fighting Procedures:** Do not release runoff from fire control methods to sewers or waterways. Cool containers with water spray.

**Hazardous Combustion Products:** Oxides of carbon.

**Unusual Fire/Explosion Hazards:** Closed containers may rupture or explode due to steam pressure buildup when exposed to extreme heat.

**Fire-Fighting Equipment:** Self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode. Full protective clothing.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Small Spills:** WEAR PPE. Neutralize small spills with weak acid. Soak up with an absorbent material and place in an approved waste disposal container.

**Large Spills:** Contain spill by diking with inert material. If practical, transfer to labeled container for reuse or disposal. Otherwise, solidify spill with absorbent material or sand. Determine if waste containing this product may be handled by available industrial effluent system other on-site waste management unit. If off-site management is required, contact a licensed company experienced in industrial waste management. This product is not specifically listed in 40 CFR 261 as a RCRA hazardous waste. However, spill or leak residuals may meet the criteria of a characteristic hazardous waste under this act.

**Regulatory Requirements:** Follow applicable federal, state, and local regulations governing disposal of waste materials and OSHA regulations (29 CFR 1910.120).

**SECTION 7 - HANDLING AND STORAGE**

**Handling:** Use proper PPE and wash thoroughly after handling. Eyewash and safety showers are recommended in the immediate work area. For industrial use only.

**Storage:** This material is safe to store in well ventilated areas at ambient temperatures. Keep containers closed when not in use. Avoid light and heat.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower (ANSI Z358.1). Use adequate general or local ventilation to keep airborne levels to acceptable levels.

COMPONENT	CAS NUMBER	ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA FINAL PEL TWA
Sodium Hydroxide	1310-73-2	-	-	2 mg/m3	2 mg/m3
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

**Respiratory Protection:** Respiratory protection is required for work areas where misting may occur. If necessary, wear MSHA/NIOSH-approved respirator, following OSHA respirator regulations (29 CFR 1910.134).

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Protective Gloves:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products to avoid skin.

**Eye Protection:** Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Do not wear contact lenses.

**Other Protective Equipment:** Not required under normal working conditions. End user must determine if the process or methods involved require other PPE.

**Hygienic Practices:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Do not wash contaminate clothing with street clothing.



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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Clear Liquid
Color and Odor:	Amber - Nearly Odorless
Odor Threshold:	Not available.
pH:	12.0 - 14.0
Freezing Point:	27 F
Boiling Point:	212 F
Flash Point:	> 212 F (TCC)
Evaporation Rate (BuAc=1):	Not available.
Flammability (Solid/Gas):	Not applicable.
Lower & Upper Flammability Limit:	Not available.
Autoignition Temperature:	Not available.
Vapor Pressure (mm Hg@20 C):	Not available.
Vapor Density (Air=1):	Not available.
Relative Density @20 C (water=1):	1.01 - 1.06
Solubility in Water:	Miscible
Partition Coefficient:	Not available.
Decomposition Temperature:	Not available.
Volatile Organic Compounds (%):	Not available.

## SECTION 10 - STABILITY AND REACTIVITY

Stability:	Product is stable at room temperature in closed containers under normal storage and handling conditions.
Polymerization:	Hazardous polymerization cannot occur.
Chemical Incompatibilities:	Strong acids.
Conditions to Avoid:	Do not overheat containers.
Hazardous Byproducts:	Thermal decomposition products may include: Oxides of carbon.

## SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD50 Oral:	> 10000 mg/kg (ATE)
	LD50 Dermal:	> 10000 mg/kg (ATE)
	LC50 Inhalation:	No data available for this product.
Irritant/Corrosion:	Eyes:	Causes irritation to the eyes.
	Skin:	Causes irritation to skin.
Sensitization:	Respiratory:	Not a sensitizer.
	Skin:	Not a sensitizer.
Carcinogenicity:		IARC, NTP, and OSHA do not list product ingredients as carcinogenic.
Reproductive Toxicity:		No data available for this product.
Teratogenicity:		No data available for this product.
Specific Target Organ Toxicity (single exposure):		No data available for this product.
Specific Target Organ Toxicity (repeated exposure):		No data available for this product.
Aspiration Hazard:		No data available for this product.
Likely Routes of Exposure:		Oral, Dermal
Acute Health:	Eye Contact:	Moderate to severe eye irritation depending on the length of exposure, solution strength and first aid measures.
	Skin Contact:	Mild to moderate skin irritation depending on the length of exposure, solution strength and first aid measures.
	Inhalation:	Irritation to corrosion of mucous membranes and the lungs. Monitor for respiratory distress, bronchitis or pneumonia.
	Ingestion:	Strong irritation to burns and possible perforation of mucous membranes.
Other Health Effects:		The effects from chronic exposure to this product have not been fully evaluated.

## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	LC50 Fish:	850 mg/l
	LC50 Crustaceans:	650 mg/l
	EC50 Algae:	No data available for this product.
Persistence and Degradability:		No data available for this product.
Bioaccumulation Potential:		No data available for this product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal:	Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable local, state, and federal regulations. Product containers should be thoroughly emptied before disposal. Generators of waste material are required to evaluate all waste for compliance with RCRA and any local disposal procedures and/or regulations. NOTE: State and local regulations may be more stringent than federal regulations. Empty Containers: Since empty containers retain material residues, all labeled hazard precautions must be observed.
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## SECTION 14 - TRANSPORTATION INFORMATION

This material is regulated by the DOT?	No
DOT Description from Hazardous Materials Table 49 CFR 172.101:	Non-Hazardous Material
Environmental Hazards (i.e., Marnie Pollutant):	None known.
Special Precautions for User:	Always transport in closed containers that are upright and secure.
In Case of Transportation Emergency Call CHEMTREC:	(800) 424-9300



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## SECTION 15 - REGULATORY INFORMATION

RCRA Hazardous Waste Number (40 CFR 261.33):	No components of this product are listed or are above the de minimus levels.
RCRA Hazardous Waste Classification (40 CFR 261):	No components of this product are listed or are above the de minimus levels.
CERCLA Hazardous Substance (40 CFR 302.4):	Sodium Hydroxide,
CERCLA Reportable Quantity (RQ):	1,000 lbs - Sodium Hydroxide,
SARA 312 Hazard Category:	Immediate (Acute) Health Hazard
SARA 313 Toxic Chemical:	No components of this product are listed or are above the de minimus levels.
SARA 302 Extremely Hazardous Substances List:	No components of this product are listed or are above the de minimus levels.
OSHA Air Contaminant (29 CFR 1910.1000, Table Z-1):	No components of this product are listed or are above the de minimus levels.

FDA (Food & Drug Administration): The active ingredients of this product comply with 21 CFR § 173.310 for use as a boiler water additive where steam may contact food products including milk and milk products.

NSF and/or Kosher Certified: BWT-205P has been certified by cRc as Kosher #CC2133630.

\*Note: The regulatory listings provided herein are not all inclusive of possible regulation affecting this material. It is the end-user's responsibility to determine all local, state, federal, or international regulation/restrictions that may apply.

## SECTION 16 - OTHER INFORMATION

Prepared By: Ed Hodges  
Title: General Manager

Date Prepared: June 25, 2015

Supersedes: March 19, 2007

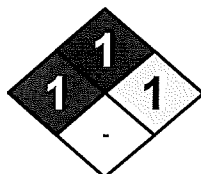
ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
N/A	Not Applicable	TLV	Threshold Limit Value
N/E	Not Established	PEL	Personal Exposure Limit
N/D	Not Determined	STEL	Short Term Exposure Limit
UNK	Unknown	C	Ceiling Limit
EHS	Environmental, Health, and Safety Department	TCC	Tag Closed Cup
OSHA	Occupational Safety and Health Administration	PNOR	Particulates Not Otherwise Regulated
ACGIH	American Conference of Governmental Industrial Hygienists	PNOC	Particulates Not Otherwise Classified
IARC	International Agency for Research on Cancer	NTP	National Toxicology Program
ATE	Acute Toxicity Estimate	GHS	Globally Harmonized System of Classification

## Hazardous Material Information System:

Health	1
Flammability	1
Reactivity	1
Protection	C

Note: The Hazardous Material Information System (HMIS) is a voluntary, subjective alpha-numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the evaluator's understanding of the chemical associated risks. The end-user must determine if the code is appropriate for their use.

## National Fire Protection Association:



Note: The National Fire Protection Association (NFPA) warning system is intended to be interpreted and applied by properly trained individual to identify fire, health and reactivity hazards of chemicals. It is a subjective rating system based on the evaluator's understanding of the chemical associated risks. The end-user must determine if the code is appropriate for their use.

**Disclaimer:** The information on this Safety Data Sheet reflects the latest information and data that we have on the hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Bulletin is the responsibility of the user. This Safety Data Sheet was prepared to comply with the OSHA Hazard Communication regulations.

\*\*\* END of Safety Data Sheet \*\*\*

