SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Boiler Compound

OTHER MEANS OF IDENTIFICATION: Not applicable.

GENERAL USE: For professional drycleaning and laundry boiler use only.

PRODUCT DESCRIPTION: Boiler Water Conditioner

MANUFACTURER

Adco Professional Products LLC
1706 Ledo Rd.
Albany, GA 31707

Product Information: 800-821-7556 (USA & Canada only)

24 HR. EMERGENCY TELEPHONE NUMBERS

Medical Emergency: 866-303-6947 (USA & Canada only) **or** 651-632-9272

Transportation Emergency: 800-424-9300 (USA & Canada only) **or** 703-527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/Irritation: Category 1
Serious Eye Damage/Irritation: Category 1

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Danger

Hazard Statements:

H314 – Causes severe skin burns and eye damage.

Precautionary Statements:

P260 – Do not breathe in dust/ fume/ gas/ mist/ vapors/ spray.
P264 – Wash skin thoroughly after handling.
P280 – Wear protective gloves/protective clothing/eye protection/ face protection.
P301+P330+P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 – IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 – IF INHALED: Remove person to fresh air and keep in a position comfortable for breathing.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if, if present and easy to do. Continue rinsing.
P310 – Immediately call a POISON CENTER or doctor/physician.
P363 – Wash contaminated clothing before reuse.
P501 – Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device.

Other Hazards: Not available.

Unknown Acute Toxicity: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Potassium hydroxide	3 - 7	1310-58-3
Trade Secret #1	-	-
Trade Secret #2	-	-
Trade Secret #3	-	-
Trade Secret #4	-	-
Trade Secret #5	-	-

COMMENTS: None.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Remove contaminated clothing. Wash with water. Consult a physician if irritation persists.

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

INHALATION: Remove affected person to fresh air. If not breathing, give artificial respiration. Get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Pain, watering, redness, irritation.

SKIN: .Irritation, pain, redness, blistering.

SKIN ABSORPTION: Insufficient data available.

INGESTION: Vomiting, diarrhea, abdominal pain, nausea.

INHALATION: Possible symptoms of allergic reaction include bronchoconstriction, sweating, flushing, hives, increased heart rate, decreased blood pressure, and anaphylaxis.

ADDITIONAL INFORMATION: After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not applicable

EXTINGUISHING MEDIA: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: No data available.

FIRE FIGHTING EQUIPMENT: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spill with absorbent material and water, if necessary.

LARGE SPILL: Contain spill. Avoid breathing vapor. Clean up spills immediately with absorbent material, observing precautions in the Personal Protective Equipment section (see section 8). Place absorbed material in closed containers for disposal (see section 13). Do not flush unneutralized residue to sewer. Avoid contamination of ground and surface waters.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Not applicable.

HANDLING: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Store in labeled, tightly sealed containers. Protect from freezing.

ELECTROSTATIC ACCUMULATION HAZARD: Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m^3	ppm	mg/m^3	ppm	mg/m^3
Potassium hydroxide	**TWA**	C 2		C 2			
	STEL	NE[1]		NE			
Trade Secret #2	**TWA**	NE		NE			
	STEL	NE		NE			
Trade Secret #3	**TWA**	NE		NE			
	STEL	NE		NE			
Trade Secret #4	**TWA**	NE		NE			
	STEL	NE		NE			
Trade Secret #5	**TWA**	NE		NE			
	STEL	NE		NE			
Trade Secret #6	**TWA**	NE		NE			
	STEL	NE		NE			

TABLE FOOTNOTES

1. NE = Not Established.

ENGINEERING CONTROLS: Not applicable.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields, or goggles.

SKIN: Neoprene, Barrier™, or other caustic resistant gloves.

RESPIRATORY: Not expected to require respirator usage. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release and exposure levels are not known.

PROTECTIVE CLOTHING: Where contact is likely, wear the appropriate chemical resistant equipment, which depending on circumstances may include gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling. Do not eat or drink in work area.

OTHER USE PRECAUTIONS: Have eye wash station available. Do not wear contact lenses without eye protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Dark brown.

PHYSICAL STATE: Liquid.

COLOR: Dark brown.
ODOR: "Fishy" amine odor.
ODOR THRESHOLD: No data available.
pH: 11.5-12.0 (1% aq.)
FREEZING POINT: No data available.
INITIAL BOILING POINT: >93° (200°F)
FLASHPOINT: >110°C (230°F) (TCC)
EVAPORATION RATE: No data available.
FLAMMABILITY (Solid, Gas): Not applicable, this product is a liquid at room temperature.
FLAMMABLE LIMITS: No data available.
VAPOR PRESSURE: No data available.
VAPOR DENSITY: No data available.
RELATIVE DENSITY: 1.112
SOLUBILITY IN WATER: Soluble.
PARTITION COEFFICIENT (Log K_{ow}): No data available.
AUTOIGNITION TEMPERATURE: No data available.
DECOMPOSITION TEMPERATURE: No data available.
VISCOSITY: 1.63 cP
PERCENT VOLATILE: No data available.

10. STABILITY AND REACTIVITY

REACTIVITY: No.
CHEMICAL STABILITY: Stable.
POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.
CONDITIONS TO AVOID: Do not store in aluminum or brass containers.
INCOMPATIBLE MATERIALS: Strong acids, oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Amines and other noxious compounds.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin.
ACUTE TOXICITY (ATE):
DERMAL LD_{50}: Insufficient data available.
ORAL LD_{50}: >2,000.
INHALATION LD_{50}: Insufficient data available.
CHRONIC TOXICITY
TARGET ORGANS: Affects all tissue in contact with solution. Severity is a function of concentration.
SENSITIZATION: Insufficient data available.
CARCINOGENICITY
IARC: Not listed as a carcinogen.
NTP: Not listed as a carcinogen.
OSHA: Not listed as a carcinogen.
OTHER: No data available.
OTHER: No data available.
REPRODUCTIVE EFFECTS: Insufficient data available.
MUTAGENICITY: Insufficient data available.

SYNERGISTIC MATERIALS: No data available.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive to eyes. Causes serious eye damage, burns, and blindness.

SKIN: Corrosive to skin. Causes burns.

SKIN ABSORPTION: Insufficient data available.

INGESTION: Harmful if swallowed. May cause burns to mouth, throat, or stomach. May cause severe or allergic reactions in asthmatics and sulfite sensitive individuals. May lead to central nervous system depression, drowsiness, and even death. In the case of vomiting, product may be aspirated into lungs causing chemical pneumonia, which in extreme cases could lead to death. See section 4, First Aid Measures, for more information.

ASPIRATION HAZARD: There is insufficient data available to classify this product as an aspiration hazard. Follow the precautions under INGESTION.

INHALATION: High concentrations of mist may cause lung damage. May cause allergic reactions in asthmatics and sulfite sensitive individuals.

MEDICAL CONDITIONS AGGRAVATED: Respiratory disorders, asthma. Sulfite sensitive individuals may experience allergic reactions.

GENERAL COMMENTS: Refer to Section 3 for additional information on potential health effects.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: A component in this product is moderately toxic.

PERSISTENCE AND DEGRADABILITY: Insufficient data available.

BIOACCUMULATIVE POTENTIAL: Insufficient data available.

MOBILITY IN SOIL: Insufficient data available.

OTHER ADVERSE EFFECTS: A component of this product is slightly toxic to terrestrial organisms.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

EMPTY CONTAINER: Not applicable.

RCRA/EPA WASTE INFORMATION: Contains material(s) that are corrosive wastes as defined by RCRA.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid, NOS

TECHNICAL NAME(S): Potassium hydroxide.

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1760

PACKING GROUP: III

LABEL: Corrosive.

REPORTABLE QUANTITY (RQ) UNDER CERCLA: >2300 gals

OTHER SHIPPING INFORMATION: Not applicable.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Corrosive Liquid, NOS

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1760

PACKING GROUP: III

LABEL: Corrosive.

OTHER SHIPPING INFORMATION: Not applicable.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Corrosive Liquid, NOS

TECHNICAL NAME(S): Potassium hydroxide

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1760

PACKING GROUP: III

LABEL: Corrosive.

PLACARDS: Consult applicable regulations governing air shipments.

IATA NOTE: Consult applicable regulations on packaging requirements and quantity limitations.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: No. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **ACUTE:** Yes. **CHRONIC:** No.

313 REPORTABLE INGREDIENTS: None.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Potassium hydroxide has an RQ of 1000 lbs.

REPORTABLE SPILL QUANTITY: >2300 gals.

RCRA STATUS: See section 13.

MEXICO

Regulated for transportation.

STATE REGULATIONS

MASSACHUSETTS

Contains one or more substances regulated by the Massachusetts Substance List.

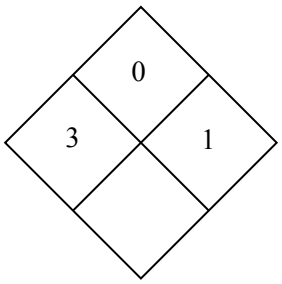
CALIFORNIA

PROPOSITION 65 STATEMENT: This product contains no ingredients known to the state of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

HMIS RATINGS	
HEALTH:	3
FLAMMABILITY:	0
REACTIVITY:	1
PERSONAL PROTECTION:	H

NFPA RATINGS



SDS Revision Date: February 3, 2016