



SAFETY DATA SHEET

This SDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA form 174

SECTION 1: IDENTIFICATION

TRADE NAME: DK-194

DATE ISSUED: 05-20-2015

Telephone Number: (423) 622-9808

** FOR CHEMICAL EMERGENCY CALL CHEM-TEL: (800) 255-3924 **

Manufacturer : Der-Kel, LLC

Address : 3012 Freeman Ave.
Chattanooga, TN 37406

SECTION 2: HAZARD IDENTIFICATION

Material *:	CAS	Percent	Exposure Limits (Units)
Sodium bisulfite	7681-57-4	<15	5 mg/m ³ OSHA PEL TWA 5 mg/m ³ ACGIH TLV TWA
Potassium Hydroxide	1310-58	<10	2 mg/m ³ OSHA PEL TWA 2 mg/m ³ ACGIH TLV TWA

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: Mixture

PRODUCT CLASS: Boiler Water Treatment Compound

FORMULA: Proprietary

DOT Hazard Class: N/A

DOT Proper Shipping Name: N/A

DOT Identification Number: N/A

Packaging Group: N/A

CAS Number: N/A

Reportable Quantity: N/A

HEALTH RATING (NFPA - Scale 0 thru 4)

Flammability - 0 Health - 2
Personal Protection - B Reactivity - 1

SECTION 4: FIRST AID MEASURES

EFFECTS OF OVER EXPOSURE

Eyes: Eye contact will result in irritation and possible burning.

Skin: Skin contact will result in irritation and possible burns.

Ingestion: Oral exposure or swallowing may produce gastrointestinal upset, nausea, or vomiting. Ingestion may be fatal. Sulfite sensitive individuals may experience a severe allergic reaction.

Inhalation: Inhalation of vapors may result in respiratory system irritation.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek immediate medical attention.

Skin: Remove contaminated clothing while flushing exposed area with large amounts of water. Seek medical attention. Launder clothing before reuse.

Ingestion: Seek immediate medical attention. Do not induce vomiting. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: Non combustible

SPECIAL FIRE FIGHTING PROCEDURES: Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Use water spray to keep containers cool and to knock down fumes.

EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical extinguishing media

UNUSUAL FIRE and EXPLOSION HAZARDS: Non-combustible. Generates hazardous sulfur dioxide during decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small spills: Small spills may be absorbed onto suitable absorbent and scooped up and placed in drum for disposal or may be flushed to suitable waste treatment facility for disposal.

Large Spills: Prevent run-off to sewers, streams or other bodies of water. Stop spill at source. Dike to prevent spreading, pump to salvage tank.

Waste Disposal Method: Dispose of material in accordance with local, State and Federal regulations.

SECTION 7: HANDLING AND STORAGE

Handling and Storage:

Store in a cool, well ventilated area, above freezing.

Other Precautions:

Do not ingest. Always wear eye and skin protection.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Safety glasses

Skin Protection: Wear impervious gloves. To prevent skin contact, wear impervious clothing and boots.

Ventilation: Provide sufficient mechanical ventilation to maintain exposure below exposure levels.

Respiratory Protection: Not normally required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:

212° F

VAPOR PRESSURE (mmHg):

Unknown

% VOLATILE BY WEIGHT:

approx. 80

WEIGHT per GALLON:

9.45lbs

EVAPORATION RATE:

(Butyl Acetate = 1):

not determined

SOLUBILITY in WATER:

Soluble

VAPOR DENSITY(Air = 1):

Unknown

APPEARANCE & ODOR:

Clear liquid,

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide and other oxides of sulfur

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing materials and acids.

SECTION 11: TOXICOLOGICAL INFORMATION

TSCA: The intentional ingredients of this product are listed.

CERCLA: 40CFR 302.4 (a)

Component (CAS no.)	RQ (lbs)
Sodium bisulfite (7631-90-5)	5000

SARA 302 Components: 40 CFR 355 Appendix A
None

Section 311/312 Hazard Class: 40 CFR 370.2
Immediate (X) Delayed () Fire () Reactive ()
Sudden release of pressure ()

SARA 313 Components: 40 CFR 372.65
None

SECTION 16: OTHER INFORMATION

This SDS was prepared May 20, 2015. Additional information will be provided in a medical emergency to qualified medical personnel.