



## 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-105

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

| <u>Material *:</u> | <u>CAS</u> | <u>Percent</u> | <u>Exposure Limits (Units)</u>  |
|--------------------|------------|----------------|---|
| Sodium bisulfite   | 7681-57-4  | <25            | 5 mg/m <sup>3</sup> OSHA PEL TWA<br>5 mg/m <sup>3</sup> 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:**

9.91lbs

**EVAPORATION RATE:**

(Butyl Acetate = 1):

not determined

**SOLUBILITY in WATER:**

Soluble

**VAPOR DENSITY(Air = 1):**

Unknown

**APPEARANCE & ODOR:**

brown liquid, sharp odor

#### 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.

|                                |          |
|--------------------------------|----------|
| <b>CERCLA:</b> 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

|                                      |
|--------------------------------------|
| <b>SECTION 16: OTHER INFORMATION</b> |
|--------------------------------------|

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