



SAFETY DATA SHEET

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

SECTION 1: IDENTITY AND MANUFACTURER'S INFORMATION

TRADE NAME: DK-4015/AA4015

DATE ISSUED: 05-20-2015

Telephone Number: (423) 622-9808

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

Manufacturer : Der-Kel, LLC
3012 Freeman Ave.
Chattanooga, TN 34706

SECTION 2 : HAZARD IDENTIFICATION

Material *:	CAS	Percent	TLV (Units)
5-Chloro-2-methyl-4-isothiazoline-3-one	26172-55-4	1.00 – 1.20	0.1 mg/m ³ TWA
2-Methyl-4-isothiazolin-3-one	2686-20-4	0.40 – 0.45	0.1 mg/m ³ TWA
Magnesium chloride & nitrate	n/a	2.20 – 2.70	N/A
Cupric nitrate	10031-43-3	0.15 – 0.17	N/A

Additional information will be provided in a medical emergency to qualified medical personnel.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: Mixture

PRODUCT CLASS: Water Treatment Compound

FORMULA: Proprietary

DOT Hazard Class: 8

DOT Proper Shipping Name: Corrosive Liquid, Acidic, Organic, n.o.s.

DOT Identification Number: UN3265

Packaging Group: II

CAS Number: N/A

Reportable Quantity: See Section X

HEALTH RATING (NFPA - Scale 0 thru 4)

Flammability - 0 Health - 3
Personal Protection - D Reactivity - 0

Threshold Limit Value: See section II: Hazardous Ingredients

SECTION 4: FIRST AID MEASURES

EFFECTS OF OVER EXPOSURE

Eyes: Eye contact may cause permanent, irreversible damage.

Skin: Skin contact may result in burns.

Ingestion: Harmful if swallowed

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 AND EXPLOSION DATA

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: Suitable for surrounding fire.

UNUSUAL FIRE and EXPLOSION HAZARDS: Non-combustible. None known.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spills: Wear protective clothing, splash proof goggles and impervious overshoes. Keep spills out of municipal sewers and open bodies of water. Dike and absorb spill with inert material (dry earth, sand). Shovel all contaminated solids in corrosion proof drums. Seal drums. Decontaminate spill area with a solution of 10% sodium bisulfite in water. Rinse decontaminating solution to a chemical sewer after standing for 30 minutes.

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 CONTROL/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):
17 mm Hg

% VOLATILE BY WEIGHT:
95 - 96

WEIGHT per GALLON:
8.50

EVAPORATION RATE:
(Butyl Acetate = 1):
not determined

SOLUBILITY in WATER:
complete

VAPOR DENSITY(Air = 1):
Unknown

APPEARANCE & ODOR:
Light green liquid, characteristic 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.

CERCLA: 40CFR 302.4 (a)

Component	RQ (lbs)
Isothiazolinone	100

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

Cupric Nitrate

SECTION 12: OTHER INFORMATION

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