



# SAFETY DATA SHEET

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

## SECTION 1: IDENTITY

TRADE NAME: DK-181

DATE ISSUED: 06-02-2015

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)
2-Diethylaminoethanol	100-37-8	<20	2 (ppm) ACGIH SKIN TWA
Cyclohexylamine	108-91-8	<20	10(ppm) ACGIH SKIN TWA
Diethylhydroxylamine	3710-84-7	<10	2 (ppm) OSHA SKIN PEL None established

## 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, organic, n.o.s.  
DOT Identification Number: UN 3267  
Packaging Group: II  
CAS Number: N/A  
Reportable Quantity: N/A

**HEALTH RATING (NFPA - Scale 0 thru 4)**  
Flammability - 2      Health - 3  
Personal Protection - B      Reactivity - 0

## SECTION 4 : FIRST AID MEASURES

### EFFECTS OF OVER EXPOSURE

**Eyes:** Eye contact may result in burns and permanent injury. Exposure to vapors may result in eye irritation.  
**Skin:** Skin contact may result in dermatitis and burns.  
**Ingestion:** Ingestion may result in severe gastric disturbances and corrosive damage.  
**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:** 175 F (COC)

**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.

**EXTINGUISHING MEDIA:** Use carbon dioxide or dry chemical extinguishing media

**UNUSUAL FIRE and EXPLOSION HAZARDS:** Can react with strong oxidizing materials. Do not heat or expose to flame.

#### 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:**  
100%

**WEIGHT per GALLON:**  
8.08 lbs

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

**SOLUBILITY in WATER:**  
Soluble

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

**APPEARANCE & ODOR:**  
Clear liquid, amine odor

#### SECTION 10: STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable

**HAZARDOUS DECOMPOSITION PRODUCTS:** Diethyl amine and other amines may be formed by thermal decomposition;

**HAZARDOUS POLYMERIZATION:** Will not occur

**INCOMPATIBILITY (MATERIALS TO AVOID)** Strong oxidizing materials, acids, copper, zinc, perchlorates, and nitrates.

#### SECTION 11: TOXICOLOGICAL INFORMATION

**TSCA:** The intentional ingredients of this product are listed.

**CERCLA:** 40CFR 302.4 (a)

Component	RQ (lbs)
None	

**SARA 302 Components:** 40 CFR 355 Appendix A  
None

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

**SARA 313 Components:** 40 CFR 372.65  
None

**SECTION 16: OTHER INFORMATION**

This SDS was prepared on June 2, 2015. Additional information will be provided in a medical emergency to qualified medical personnel.