



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-187

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.