# MATERIAL SAFETY DATA SHEET

Manufacturer

K & E Chemical Co., Inc.

3960 E. 93<sup>rd</sup> St.

Cleveland OH 44105

Phone Number (for Information)

(216) 341-0500 Emergency Phone Number

(216) 341-0500

Identity (Trade Name As Used On Label)

Klenztone

NA

General Use\*

Masonry Cleaning

MSDS Number\*

Date Prepared

January 15, 2005

Prepared By\*

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION
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Components - Chemical Names & Common Names (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	%*	CAS No*	OSHA PEL	ACGIH TLV	Other Limits Recommended
Ammonium Biflouride Solution-stabilized		NA		(2.5 mo	/m3 as F)
Non-Hazardous Ingredients			I	,	<b>I</b>
TOTAL	100				

#### SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	215°F	Specific Gravity (Water = 1)	1.2-1.4
Vapor Pressure (mm Hg at Temperature)	NA	Melting Point	NA
Vapor Density (Air = 1)	NA	Evaporation Rate ( = 1)	NA
Solubility in Water	Complete	Water Reactive	NO

Appearance			
and Odor			

Cloudy solution, slight pungent oder.

#### SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

	Flash Point and Method		Auto-Ignition Temperature	Flammability Limits (%in Air by Volume) at ${f h}$	
	☐ Tagliabue ☐ Pensky-Martens		NA	LELNA	UELNA
Extinguisher Media	NA		· · ·		
Special Fire Fighting Procedures	Not a fire or explosion hazard. Material may release small amounts of HF acid. Cool storage drums with water spray.				

Explosion Hazards

NONE

### SECTION 4 - REACTIVITY HAZARD DATA

STATE (Under Normal Handling and Storage Conditions)	Conditions to Avoid Strong acids. Strong bases. High heat.
Stable Unstable	Incompatibility (Materials to Avoid)
	Strong acids. Strong bases.
HAZARDOUS POLYMERIZATION	Conditions to Avoid
May Occur Will Not Occur	None Known
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Hazardous Decomposition Products Strong acids liberate hydroflouric acid. Strong bases liberate ammonia.

## SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	□Inhalation □Ingestion CARCINOGEN □NTP □OSHA ☑Skin Absorption □Not Hazardous LISTED IN □IARC Monograph ☑Not Listed
HEALTH HAZARDS	Acute NA Chronic NA
Signs and Symptoms of Overexposure	Red Rash
Medical Conditions Generally Aggravated by Exposure	Unknown
	Eye Contact Flush with water for at least 15 minutes. Get medical attention.
EMERGENCY FIRST AID PROCEDURES	Skin Contact Flush with water for 15 minutes. Get medical attention if necessary.
Seek Medical Assistance for Further Treatment, Observation and Support if Necessary	Inhalation Exit area for fresh air.
	Ingestion Give large quantities of water or milk. Get medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Required Ventilation (enclosed areas)	☐Local Exhaust (collect vapors at source) ☐Other (Specify)	Mechanical (general)
Protective Glove	es(Type and Construction)	Eye Protection
]	Rubber	Chemical goggles
Respiratory Protection	Ventilate enclosed areas.	
Other Protective Clothing and Equipment	Body protection as necessary to prevent skin contact.	
Hygienic Work Practices	NONE	

### SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is spilled or Released	Apply absorbant material and sweep up.
Waste Disposal Methods	As regards federal, state, and local regulations.
Precautions to be Taken in Handling and Storage	Keep product containers cool, dry, and away from ignition sources.
Other Precautions and/or Special Hazards	Use this product with adequate ventilation. Personnel should avoid inhalation of vapors.