



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont  
Material Safety Data Sheet

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"StoneTech" Professional "KlenzAll" (Tm)  
6448CR Revised 18-OCT-2005  
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CHEMICAL PRODUCT/COMPANY IDENTIFICATION  
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Tradenames and Synonyms

"StoneTech" Professional "KlenzAll" Ready-to-Use  
"StoneTech" Professional "KlenzAll" Concentrate

Company Identification

MANUFACTURER/DISTRIBUTOR

StoneTech Professional, Inc.  
370 North Wiget Lane, Suite 200  
Walnut Creek, CA 94598

PHONE NUMBERS

Product Information : 800-441-7515/Outside US: 302-774-1000  
Transport Emergency : CHEMTREC: 800-424-9300/Outside US:  
703-527-3887  
Medical Emergency : 800-441-3637/Outside US: 302-774-1000

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COMPOSITION/INFORMATION ON INGREDIENTS  
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Components

Material	CAS Number	%
Alcohol Ethoxylate		
Monoethanolamine	141-43-5	
*Ethylene Glycol Monobutyl Ether	111-76-2	
DI Water	7732-18-5	

\* Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

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HAZARDS IDENTIFICATION  
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Potential Health Effects

Skin contact may cause burns or ulceration. Evidence suggests that skin permeation can occur in amounts capable of producing the effects of systemic toxicity. There are no reports of human sensitization.

Eye contact may cause corrosion with corneal or conjunctival ulceration.

Inhalation of mist or vapor may cause nose, throat and lung irritation.

## (HAZARDS IDENTIFICATION - Continued)

Inhalation or ingestion may cause nonspecific discomfort, such as nausea, headache, or weakness.

Amines can react with nitrites or nitrates to form compounds which may cause cancer or other effects. These compounds known as nitrosamines, can be formed under acidic conditions such as in the stomach. When working with amines, use special care to minimize exposure to nitrites or nitrates.

Based on data from animal studies, higher exposures may lead to abnormal blood forming system function with anemia; or abnormal liver and kidney function as detected by laboratory tests.

Individuals with pre-existing diseases of the lungs or skin may have increased susceptibility to the toxicity of excessive exposures.

## Carcinogenicity Information

The following components are listed by IARC, NTP, OSHA or ACGIH as carcinogens.

Material	IARC	NTP	OSHA	ACGIH
Ethylene Glycol Monobutyl Ether				A3

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FIRST AID MEASURES  
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## First Aid

## INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

## SKIN CONTACT

In case of contact, immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reuse.

## EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

## INGESTION

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

## (FIRST AID MEASURES - Continued)

## Notes to Physicians

Activated charcoal mixture may be beneficial. Suspend 50 g activated charcoal in 400 mL water and mix well. Administer 5 mL/kg, or 350 mL for an average adult.

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FIRE FIGHTING MEASURES  
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## Flammable Properties

Not a fire or explosion hazard.

## Extinguishing Media

Use media appropriate for surrounding material.

## Fire Fighting Instructions

Evacuate personnel to a safe area. Wear self-contained breathing apparatus (SCBA) and full protective equipment.

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ACCIDENTAL RELEASE MEASURES  
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## Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

## Initial Containment

Dike spill.

## Spill Clean Up

Dispose of in an approved container.

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HANDLING AND STORAGE  
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## Handling (Personnel)

Avoid inhalation. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Wash clothing after use.

## Handling (Physical Aspects)

Keep container tightly closed.

## Storage

Store in a cool, dry place.

## (HANDLING AND STORAGE - Continued)

Avoid freezing or extended storage in high temperatures.

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 EXPOSURE CONTROLS/PERSONAL PROTECTION
 

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## Engineering Controls

Use only with adequate ventilation.

## Personal Protective Equipment

## EYE/FACE PROTECTION

Wear safety glasses, or where splash potential exists wear chemical splash goggles.

## RESPIRATORS

Where the potential exists for airborne exposure, wear NIOSH approved respiratory protection.

## PROTECTIVE CLOTHING

Where there is potential for skin contact, have available and wear as appropriate impervious gloves, apron or smock.

## Exposure Guidelines

## Applicable Exposure Limits

## Monoethanolamine

PEL (OSHA)	: 3 ppm, 6 mg/m <sup>3</sup> , 8 Hr. TWA
TLV (ACGIH)	: 3 ppm, 7.5 mg/m <sup>3</sup> , 8 Hr. TWA
	STEL 6 ppm, 15 mg/m <sup>3</sup>
AEL * (DuPont)	: 3 ppm, 8 & 12 Hr. TWA

## Ethylene Glycol Monobutyl Ether

PEL (OSHA)	: 50 ppm, 240 mg/m <sup>3</sup> , 8 Hr. TWA, Skin
TLV (ACGIH)	: 20 ppm, 8 Hr. TWA, A3
AEL * (DuPont)	: 5 ppm, 8 Hr. TWA, Skin

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

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 PHYSICAL AND CHEMICAL PROPERTIES
 

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## Physical Data

Boiling Point	: 100 C (212 F)
Vapor Pressure	: 760 mm Hg
pH	: 11.5-12.5
Odor	: Mild.
Form	: Liquid.

## (PHYSICAL AND CHEMICAL PROPERTIES - Continued)

Color : Yellow (slightly).  
Specific Gravity : 1.07

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STABILITY AND REACTIVITY  
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## Chemical Stability

Stable.

## Incompatibility with Other Materials

Incompatible or can react with acids, strong oxidizers.

## Decomposition

Thermal decomposition may produce carbon dioxide, carbon monoxide.

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DISPOSAL CONSIDERATIONS  
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## Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

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TRANSPORTATION INFORMATION  
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## # Shipping Information

24 oz. RTU is not regulated in transportation by DOT/IMO/  
IATA.

DOT:

For 5 gal package:

Proper Shipping Name, : Ethanolamine Solution  
Hazard Class, : 8  
UN Number, : 2491  
Packing Group, : III  
Label, : Corrosive

For 2 oz., 1 quart and 1 gal:

Proper Shipping Name, : Consumer Commodity  
Hazard Class, : ORM-D  
UN Number : N/A  
Packing Group : N/A  
Label, : None

IMDG

## (TRANSPORTATION INFORMATION - Continued)

For 5 gal package:

Proper Shipping Name,: Ethanolamine Solution  
Hazard Class,: 8  
UN Number,: 2491  
Packing Group,: III  
Label ,,: Corrosive

For 2 oz, 1 quart and 1 gal:

Proper Shipping Name,: Ethanolamine Solution  
Hazard Class,: 8  
UN Number,: 2491  
Packing Group,: III  
Label ,,: Corrosive  
Special Instructions,: Limited Quantity

IATA

For 1 quart, 1 gal and 5 gal package:

Proper Shipping Name,: Ethanolamine Solution  
Hazard Class,: 8  
UN Number,: 2491  
Packing Group,: III  
Label ,,: Corrosive

For 2 oz.:

Proper Shipping Name,: Ethanolamine Solution  
Hazard Class,: 8  
UN Number,: 2491  
Packing Group,: III  
Label ,,: Corrosive  
Special Instructions : Limited Quantity

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REGULATORY INFORMATION  
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## U.S. Federal Regulations

TSCA Inventory Status : Listed.  
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The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

# Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS