

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1 - PRODUCT INFORMATION and COMPANY IDENTIFICATION

Product Name: **KEMZYME**

Product Use: Liquid Detergent

Supplier: **Kemper Industries, Inc.**
P.O. Box 1172
2197 Stanton Rd.
Daphne, AL 36526

In Case of Emergency

CHEMTREC 800-424-9300
HANDLING 251-626-3083
TECHNICAL 866-536-4225

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

		<u>Wt. %</u>
Ethoxylated Nonylphenol	CAS# 9016-45-9	< 5.0 %
Preservative	CAS# 6440-58-0	< 0.5 %

SECTION 3 - HAZARDS IDENTIFICATION

Appearance: Off-white liquid

Odor: Fresh Fruit Fragrance

*** EMERGENCY OVERVIEW*** May cause eye irritation. May cause mild skin irritation.

Health Effects Eyes: May cause irritation to the eyes.

Health Effects Skin: Prolonged contact may cause irritation and redness.

Health Effects Inhalation: Inhalation of mists in small amounts is not likely to cause harmful effects. Breathing large amounts may be harmful.

Health Effects Ingestion: Ingestion of large amounts may produce gastrointestinal disturbances. This material can get into lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

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SECTION 4 - FIRST AID MEASURES

- Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If irritation persists get medical attention
- Skin: For skin contact remove contaminated clothing, flush exposed area with large amounts of water. If irritation persists, get medical attention.
- Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
- Ingestion: If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting.

SECTION 5 - FIRE FIGHTING MEASURES

- Flash Point: N/A
- Flammable Explosive Limits: Lower: N/A Upper: N/A
- Extinguishing Media: CO₂ Dry Chemical Foam Water Fog
- Unusual Fire and Explosion Hazards: None Known.
- Special Fire Fighting Procedures: None Known.
- Protective Clothing: Be sure to used an approved/certified respirator or equivalent.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Small Spill: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material.
- Large Spill: Eliminate all ignition sources (flares, flames, including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dyke area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers.
- Waste Disposal Method: Biodegradable product. Deposit spills in a landfill in accordance with local, state, and federal regulations.

SECTION 7 - HANDLING AND STORAGE

Handling: Do not take internally. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Avoid contact with eyes, skin and clothing. Avoid inhalation of dusts or vapors. Wear appropriate chemical protective clothing and equipment. Always wash thoroughly after handling.

Storage: Keep from freezing. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation recommended.

Respiratory Protection: Where excess concentration of product is expected, a NIOSH approved air supplied respirator is advised in absence of proper environmental control.

Eye Protection: Splash proof goggles where possible eye contamination exists.

Skin Protection: Wear rubber gloves that are chemically resistant to this product.

Other Protective Clothing or Equipment: Wear boots, gloves, apron, etc. sufficient to prevent bodily contact. Eye bath, safety shower & washing facilities should be available.

Hygienic Practices: Avoid contact with eyes, skin and clothing. Avoid inhalation of contaminant. Wash thoroughly after handling. Do not eat, drink, use tobacco products, chew gum or apply cosmetics in area where there is potential for exposure to this material.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
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Boiling Point: 100°C (212°F)

pH: 8.0 - 9.0

Specific Gravity: 1.02

Freeze Point: 0°C (32°F)

Vapor Pressure: N/D

Vapor Density: Heavier than air

Solubility in Water: Complete

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SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Incompatibility: Strong acids and bases.

Hazardous Decomposition: Thermal decomposition may yield Oxides of carbon.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

No product animal LD50 or LC50 information is available.

SKINTEX DATA: No information.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No data is available on finished product.

Biodegradability: This product class is readily biodegradable.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all local, state and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Not regulated by DOT.

DOT Technical Name: N/A

DOT Hazard Class: N/A

DOT UN/NA Number: N/A

Marine Pollutant: Not pollutant

SECTION 15 - REGULATORY INFORMATION

All components of this product are listed on the TSCA inventory.

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SECTION 16 - OTHER INFORMATION

HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0

The information provided in this Material Safety Data Sheet is based on characteristics of the individual components, and is correct to the best of our knowledge. However, the data is provided without guarantee or representation as to the results. Since the conditions of handling, storage and disposal of this product are beyond our control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume full responsibility for loss, injury and expense arising out of the product's improper use. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any process.

Date: 01-18-10
Supersedes: 01-28-07