



# Kitter Corporation

# Material Safety Data Sheet

## EXPEL Liquid Laundry Detergent

### Section 1: Identification

Product Name: EXPEL Liquid Laundry Detergent  
Manufacturer's Name: Kitter Corporation  
Address: 100 S. Cleveland (P.O. Box 9680) Amarillo, Texas 79105  
Emergency Phone Number: Chem-Tel 1-800-255-3924  
Product Stewardship: 806-376-1448  
Date Prepared: May 6, 2003

### Section 2: Composition / Information on Ingredients

CHEMICAL	C.A.S. NUMBER	WEIGHT %
Water	7732-18-5	50 - 90
Nonylphenol polyethylene glycol ether	127087-87-0	10 - 30
Sodium dodecylbenzene sulfonate	25155-30-0	1 - 10

OSHA Hazardous Components (29 CFR 1910.1200):

	OSHA PEL	ACGIH TLV
Sodium dodecylbenzene sulfonate	Not Listed	Not Listed

### Section 3: Hazard Identification

Potential Health Effects:

Eyes: Moderate to severe irritant.

Skin: Product is mild skin irritant. Prolonged or repeated contact with skin may cause irritation.

Ingestion: Harmful if swallowed. Swallowing may cause abdominal discomfort, nausea, vomiting and diarrhea.

Inhalation: Not a likely route of exposure.

Medical Conditions Aggravated by Overexposure: Repeated skin contact may cause dermatitis.

### Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if symptoms persist.

Skin Contact: Wash skin with water and remove contaminated clothing. Wash contaminated clothing before reuse.

Ingestion: Do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention immediately.

Inhalation: Remove to fresh air. Seek medical attention if symptoms persist.

### Section 5: Fire Fighting Measures

Flash Point & Method: >200°F, TCC Method

Flammable Limits: LEL - N/A UEL - N/A

Auto ignition Temperature: N/E

General Hazard: None

Fire Fighting Instructions: Use self-contained breathing apparatus for maximum respiratory protection. Use water spray to cool containers in area.

Unusual Fire & Explosion Hazards: None known

### Section 6: Accidental Release Measures

Small Spills: Soak up with absorbent. Shovel in waste containers. Flush area with water.

Large Spills: Recover spilled material for reprocessing or disposal. See Section 13 for proper disposal information.

### Section 7: Handling & Storage

Storage Temperature: Ambient

Storage Pressure: Atmospheric

General: Keep container closed when not in use. Store in a cool, well-ventilated area. Avoid overheating or freezing.

Wash thoroughly after handling. Keep out of reach of children. Spilled material is slippery.

# EXPEL Liquid Laundry Detergent

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## Section 8: Exposure Control / Personal Protection

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Engineering Controls: Local exhaust ventilation is acceptable. Mechanical ventilation is recommended.

Personal Protection:

Respiratory Protection: If vapors, fumes or dusts are present use a MSHA or NIOSH approved respirator, a fresh air breathing apparatus or a self-contained breathing apparatus.

Hand Protection: Natural latex or Neoprene gloves recommended.

Eye Protection: Safety glasses.

Other Recommendations: Not required.

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## Section 9: Physical & Chemical Properties

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Specific Gravity (H <sub>2</sub> O=1) . . . . .	0.96	Boiling Point . . . . .	>200°F
Vapor Pressure (mmHg.) . . . . .	N/A	Melting Point . . . . .	N/A
Vapor Density (AIR=1) . . . . .	>1	Solubility in Water . . . . .	100%
Evaporation Rate (n-BuAc=1) . . . . .	<1	pH . . . . .	8.15

Appearance and Odor: Blue liquid with light fragrance.

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## Section 10: Stability & Reactivity

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General: Stable, hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition: Carbon and sulfur oxides.

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## Section 11: Toxicological Information

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Results of Component Toxicity Tests Performed:

For Sodium dodecylbenzene sulfonate (25155-30-0): Oral LD<sub>50</sub> = 438 mg/kg (Rat)

No Chemicals used in this product are listed as carcinogens or suspected carcinogens by the National Toxicological Program, IARC monographs or OSHA.

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## Section 12: Ecological Information

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Aquatic Effects: Components in this product are moderately toxic to aquatic organisms (LC<sub>50</sub> = 1-10 mg/L).

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## Section 13: Disposal Considerations

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Waste Disposal Method: Recover liquid or dispose waste material in accordance with all applicable federal, state and local regulations and laws. Material collected with absorbent may be disposed of in a permitted landfill.

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## Section 14: Transportation Information

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U.S. DOT Information:

Proper Shipping Name:	NON-HAZARDOUS
Hazard Class:	N/A
Packing Group:	N/A
UN Number:	N/A
Limitations:	N/A

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## Section 15: Regulatory Information

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U.S. Federal Regulations: MSDS complies with OSHA's Hazard Communication Rule, 29CFR1910.1200.

CERCLA /Superfund, 40 CFR 117: N/A

SARA Superfund and Reauthorization Act of 1986 Title III Sections 302, 311, 312 and 313:

Section 302: None of the chemicals are listed in Section 302

Section 311 / 312: By our hazard evaluation, this product is non-hazardous.

Section 313: None of the chemicals are listed in Section 313.

TSCA: All substances are TSCA Listed.

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## Section 16: Other Information

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Revision Dates, Sections, Revised By: 05-06-2003, CREATED, D. Sloan

Abbreviations used in this Document: N/A – Not Applicable, N/E – Not Established

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