



ORBIT Dish Washer Detergent

Section 1: Identification

Product Name: ORBIT Dish Washer 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: April 9, 2003

Section 2: Composition / Information on Ingredients

CHEMICAL	C.A.S. NUMBER	WEIGHT %
Water	7732-18-5	50 - 90
Potassium Hydroxide	1310-58-3	1 - 5
Non ionic Surfactants	68412-54-4	1 - 5
Sodium Tripolyphosphate	7758-29-4	<1.0
D-Gluconic Acid, Sodium Salt	527-07-1	<1.0
OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Exposure Limits 8 Hours TWA (PPM)		
	OSHA PEL	ACGIH TLV
Potassium Hydroxide	2 mg/m ³	2 mg/m ³

Section 3: Hazard Identification

Potential Health Effects:

Eyes: Severe irritant.
Skin: Product is skin irritant. Prolonged or repeated exposure may cause skin irritation.
Ingestion: Harmful if swallowed. Nausea and diarrhea possible, aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.
Inhalation: Concentrated vapors can cause irritation of the lungs.
Teratology (Birth Defects): Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus.

Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with large amounts of water for 15 minutes or until irritation subsides. Call for prompt medical attention.
Skin Contact: Remove contaminated clothing (including shoes) and wash before reuse. Flush with large amounts of water. Use soap if available. Seek medical attention.
Ingestion: Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.
Inhalation: Move to fresh air in case of accidental inhalation of vapors. If victim has stopped breathing, give artificial respiration. Call for prompt medical attention.

Section 5: Fire Fighting Measures

Flash Point & Method: >200°F, TCC Method
Flammable Limits: LEL - N/E UEL - N/E
Auto ignition Temperature: Not Determined
General Hazard: None
Fire Fighting Instructions: Fire fighters should wear self contained, positive-pressure breathing apparatus and avoid skin contact.
Fire Fighting Equipment: Water, Foam, Dry Chemical, Carbon Dioxide.
Hazardous Combustion Products: Smoke, Fumes and Oxides of Carbon.

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.

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Section 8: Exposure Control / Personal Protection

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: Neoprene or Natural Latex gloves.

Eye Protection: Safety glasses.

Other Recommendations: Not required.

Section 9: Physical & Chemical Properties

Specific Gravity (H ₂ O=1)	1.19	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	13

Appearance and Odor: Clear, red liquid with a mild odor.

Section 10: Stability & Reactivity

General: Stable, hazardous polymerization will not occur.

Incompatible Materials: Reactive alkali metals, strong acids and bases.

Hazardous Decomposition: Forced combustion yields carbon oxides.

Section 11: Toxicological Information

Results of Component Toxicity Tests Performed:
Information not available.

Section 12: Ecological Information

Information not available.

Section 13: Disposal Considerations

RCRA 40 CFR 261 Classification: Unused material is not regulated, however used material may contain regulated materials. Since Federal, State, and Local laws governing disposal of materials can differ, please ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

U.S. DOT Information:

Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,
(contains POTASSIUM HYDROXIDE)

Hazard Class: 8

Packing Group: III

UN Number: UN1814

Limitations: N/A

Section 15: Regulatory Information

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 hazardous.

EPA Hazard: Immediate (acute) health hazard.

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

TSCA: All substances are TSCA Listed.

Section 16: Other Information

Revision Dates, Sections, Revised By: 04-9-2003, CREATED, D. Sloan

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

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