

# #350 CYCLE

## **DESCRIPTION**

High alkaline liquid dishwashing compound for restaurant, bakery and institutional usage.

## **WHAT DOES IT DO?**

CYCLE is a specially designed liquid mechanical dishwash detergent for safe, unparalleled results and cleaning action. CYCLE has highly active components that quickly emulsify grease and oils, condition water, and prevent wear and corrosion. Dilute up to 400 parts water to 1 part CYCLE.

## **WHY IS IT USED?**

Containing a chelating agent for de-staining and an organic sequestrant, CYCLE will inhibit the growth of hard water scaling on machine parts. CYCLE is the product for cost performance and cleaning economy. CYCLE performs well in both high and low temperature dishwashing machines.

## **HOW IS IT USED?**

CYCLE concentrations will vary due to environmental conditions with pH use dilutions ranging from 9.5 to 11.5. The use of automatic dispensing is recommended for product injection in dishwashing equipment.

## **PACKAGING**

This product is packaged in 1 gallon, 5 gallon and 55 gallon containers.

# MATERIAL SAFETY DATA SHEET

## Section I Product Identification

Product Name: **350 CYCLE** Proper Shipping Name: Corrosive Liquid, Basic, UN3266  
Generic Name: LIQUID MECHANICAL DISHWASH COMPOUND Chemical Family: N/A  
Supplier's Name: ALCO Chemical, Inc. Formula: N/A  
Address: 45 North Summit Street  
Akron, Ohio 44308  
Phone: (330) 253-3535 EMERGENCY/CHEM\*TEL: 1-800-255-3924

## Section II Ingredients Listed as Hazardous According to OSHA 29CFR1910

CHEMICAL NAME	CAS #	WT%	TWA	STEL	CEILING	CARCINOGENIC
Potassium Hydroxide	1310-58-3	1-5	NE	NE	2	No
Sodium Hydroxide	1310-73-2	10-15	3	NE	NE	No
Sodium Glucoheptonate	31138-65-5	1-5	NE	NE	NE	No

(\*Indicates SARA Title 313)

## Section III Physical Data

Boiling Range: 220 (initial) % Solids by Weight: N/A Evaporative Rate (water = 1): <1 Specific Gravity: 1.10  
Vapor Pressure: mm Hg @ 68F % Solubility in Water: 100% Vapor Density (air = 1): >1 Volatiles: N/A  
Physical Description: Reddish Brown liquid with pungent odor. pH: 13+

## Section IV Fire & Explosion Hazards

Flash Point: N/A Method Used: N/A Health: 3  
Flammability Limits (LEL/UEL): N/A / N/A Extinguishing Media: N/A Flammability: 0  
Special Fire Fighting Procedures: N/A Reactivity: 1  
Unusual Fire & Explosion Hazards: N/A M.P.P.: C

## Section V Health Hazard Data

Threshold Limit Value: N/A Primary Routes of Entry: Eyes, Skin, Ingestion Permissible Exposure Limit: N/A  
**Emergency and First Aid Procedures:** Other Limit: N/A  
EYES: Flush immediately with large amounts of water for at least 30 minutes, lifting the upper & lower eyelids occasionally. Get medical attention immediately. SKIN: wash with plenty of soap and water, remove contaminated clothing. INGESTION: Swallowing the liquid will cause burns to the gastrointestinal tract, DO NOT INDUCE VOMITING. Drink large quantities of water or milk, seek medical attention.

## Section VI Reactivity Data

Stability: STABLE Incompatibility (material to avoid): Acids  
Hazardous Polymerization: Will Not Occur Hazardous Decomposition Products: None Known

## Section VII Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Mop up or otherwise absorb and hold for disposal.  
Waste disposal method: Any method in accordance with applicable laws Volatile organic compounds (VOC): N/A  
RCRA hazardous waste number (40 CFR 261.33): N/A CERCLA (superfund) reportable quantity (in lbs): N/A

## Section VIII Special Protection Data

Respiratory protection (specific type): No special requirements-Protective gloves (specific type): Waterproof gloves recommended  
Eye protection: Safety glasses recommended--Other protective equipment: No special requirements  
Ventilation: Provide local exhaust to keep TLV of section II ingredients, if applicable, below acceptable levels.

## Section IX Special Precautions

KEEP AWAY FROM CHILDREN KEEP CONTAINER CLOSED DURING STORAGE  
FOR USE BY TRAINED PERSONNEL ONLY FOR INSTITUTIONAL USE ONLY  
The above information pertains to this product as currently formulated, and is based on the information available at this time. Additions of reducers or other additives to this product may substantially alter the composition. We make no warranties, expressed or implied, and assume no liability in connection with any use or the information.