

# MATERIAL SAFETY DATA SHEET

CHEMCO INDUSTRIES, INC.  
5731 Manchester Ave., St. Louis, MO 63110



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GENERAL INFORMATION # : 314-647-1888  
EMERGENCY TELEPHONE # : (800) 854-4236

## I-PRODUCT IDENTIFICATION

### AQUA-SOL

PRODUCT CODE: CHEM301

CHEMICAL FORMULATION: HEAVY DUTY NON-BUTYL ALKALINE CLEANER/ DEGREASER

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 2

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))	Other Limits				
	CAS No.	OSHA PEL	ACGIHTLV	Recommended	% optional
CONTAINS NO HAZARDOUS COMPONENTS AS LISTED IN 29 CFR 1910.1000 OR OTHER PERTINENT SECTION OF OSHA REGULATION					

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - PHYSICAL DATA

BOILING POINT (°f): 212°F MELTING POINT: N/E  
VAPOR PRESSURE (mm Hg): 18 SPECIFIC GRAVITY (H2O=1): 1.06  
VAPOR DENSITY (AIR=1) HEAVIER THAN AIR TOTAL ACTIVE INGREDIENTS=9.5% BY WT.  
SOLUBILITY IN WATER: COMPLETELY EVAPORATION RATE (WATER=1): 1  
pH: 13.5  
APPEARANCE AND ODOR: CLEAR SOAPY ODOR

## IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (°F): 180°C (TEST METHOD):  
FLAMMABLE LIMITS: N/E UPPER: N/E LOWER: N/E  
EXTINGUISHING MEDIA: CO<sub>2</sub>  
SPECIAL FIRE FIGHTING PROCEDURES: NONE  
UNUSUAL FIRE AND EXPLOSION HAZARD: NONE

## V - REACTIVITY DATA

STABILITY: STABLE  
INCOMPATIBILITY: N/A  
MATERIALS TO AVOID: NONE  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: NONE

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## VI - HEALTH AND HAZARD DATA

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ROUTES OF ENTRY: EYES, SKIN, INGESTION

CARCINOGEN - NTP&IARC PROGRAM: N/A  
OSHA: N/A

### SYMPTOMS OF EXPOSURE

IF IN EYES: MAY CAUSE IRRITATION  
IF ON SKIN: MAY CAUSE IRRITATION  
IF INGESTED: HARMFUL IF SWALLOWED  
IF INHALED: NA  
MEDICAL COND. AGGRAVATED BY EXP: N/A

### EMERGENCY FIRST AID

IF IN EYES: FLUSH WITH PLENTY OF WATER, THEN WITH 5% BORIC ACID SOLUTION  
IF ON SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION  
IF INGESTED: DRINK PLENTY OF WATER FOLLOWED BY LEMON JUICE OR VINEGAR  
IF INHALED: N/A

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## VII - SPILL AND LEAK PROTECTION

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: FLUSH TO DRAIN OR MOP UP. PRODUCT IS BIODEGRADABLE.

WASTE DISPOSAL METHOD: SAME AS ABOVE - PRODUCT IS MADE WITH BIODEGRADABLE SURFACTANTS CAN BE FLUSHED TO DRAIN WITH PLENTY OF WATER

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## VIII - SPECIAL PROTECTION INFORMATION

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VENTILATION: LOCAL EXHAUST - ADEQUATE

RESPIRATORY PROTECTION: NOT REQUIRED

PROTECTIVE GLOVES: N/A

EYE PROTECTION: N/A

OTHER PROTECTIVE EQUIPMENT: NONE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: NONE

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN

WORK/HYGIENIC PRACTICES: N/A

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