

C & W ENTERPRISESCLEANING WARFARE PRODUCTS
INDUSTRIAL DETERGENTS**MATERIAL SAFETY DATA SHEET**

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I. PRODUCT IDENTIFICATION**TRADE NAME** AZAC All Purpose Cleaner**MANUFACTURER'S NAME** C & W Enterprises**Address** 10770 Lower Azusa Rd.
El Monte CA 91731**Phone number for additional information:** 818 448-1825**Emergency phone number:** day-818-448-1825 night-818-448-0717 CHEMTREC 800 424-9300**Date prepared or revised** 3/14/96 **Name of preparer** Donald Bangle**II. HAZARDOUS INGREDIENTS**

Chemical Names	CAS Numbers	Percent	Exposure Limits in Air (Indicate units)		
			ACGIH TLV	OSHA PEL	Other (specify)
Sodium Metasilicate	6834-92-0	6 %	NE	NE	
DOT Regulation - not regulated			NE = not established		
Contains no solvents or volatile compounds			HMIS and NFPA Codes		
All components listed on TSCA inventory			Fire: 0 Health: 1 Reactivity: 0		
Contains no carcinogens TARC, NTP, OSHA					

III. PHYSICAL PROPERTIES

Vapor density (air= 1)	1	Melting point or range, °F	not applicable
Specific gravity	1.02	Boiling point or range, °F	220°F
Solubility in water	complete	Evaporation rate (butyl acetate = 1) as water,	.1
Vapor pressure, mm Hg at 20 °C	20		
Appearance and odor	clear amber liquid, slight odor		

HOW TO DETECT THIS SUBSTANCE(warning properties of substance as a gas, vapor, dust, or mist)

The appearance of foam and or a pH value of over 10.

IV. FIRE AND EXPLOSIONFlash Point, °F (give method) noneAuto Ignition temperature, °F noneFlammable limits in air, % by volume: lower (LEL): none upper (UEL): none

Fire extinguishing materials:

ok water sprayok carbon dioxide

other: _____

ok foamok dry chemical

Special firefighting procedures: Use protective eye and skin gear so as to not contact alkaline chemical. Always use a self-contained aspirator when fighting chemical fires.

Unusual fire and explosion hazards: none

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE (for each potential route of exposure)

Inhaled: Coughing

Contact with skin or eyes: will burn the eyes and irritates the skin.

Absorbed through skin: not applicable

Swallowed: will irritate the mouth, throat and stomach.

HEALTH EFFECTS OR RISKS FROM EXPOSURE. Explain in lay terms. Attach extra page if more space is needed.

Acute: Untreated exposure will damage the eyes, skin and respiratory tract.

Chronic: Effects unknown

Reproductive: None

Product is considered to be highly alkaline.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None

POTENTIAL OR SUSPECTED CANCER AGENT? NO. This product's ingredients are not found in the lists below. YES. The ingredients below are regulated or listed as potential cancer agents by the indicated agency.

Ingredient: _____	_____ Federal OSHA	_____ NTP	_____ IARC
_____	_____ Federal OSHA	_____ NTP	_____ IARC
_____	_____ Federal OSHA	_____ NTP	_____ IARC

NOTE: California employers using Cal/OSHA—regulated carcinogens must register with Cal/OSHA.

FIRST AID—EMERGENCY PROCEDURES

Eye Contact: Immediately wash for 15 minutes or longer.

Skin Contact: Rinse thoroughly with water.

Inhaled: Breathe fresh air.

Swallowed: Drink several glasses of milk or water and induce vomiting. It is important to keep the head lower than the chest while vomiting.

VI. REACTIVITY DATA

Stability: XX Stable Unstable

Incompatibility (materials to avoid): Acids

Hazardous polymerization: May occur XX Will not occur

Conditions to avoid:

Temperatures in excess of 220°F, the boiling point, and spraying in non-ventilated enclosed areas.

Hazardous decomposition products (including combustion products): Carbon Monoxide

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Stop the leak and or capture the spill. Scoop spilled product into steel drums for neutralization with dilute acid. Also neutralize the area with dilute acid, then sodium bicarbonate. Flush area with water. Dispose waste as an industrial non-hazardous mixture. Wear glasses and gloves.

Preparing wastes for disposal (container types, neutralization, etc.): Use steel open top drums to hold waste. Neutralize with dilute battery acid(sulfuric).

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Use adequate local exhaust ventilation. Use NIOSH Method No.7401 for monitoring the exposure of persons.

Respiratory protection (type): Use NIOSH/MSHA approved respirator for dust environments.

Eye protection (type): Use safety glasses.

Gloves (specify material): Use rubber gloves.

Other clothing and equipment: Work clothes and rubber apron.

Work practices, hygienic practices: Use chemicals with attentive care. Use only for the qualified purpose that the chemical was intended to accomplish. Use with neatness. Keep containers closed when not in use. Store in an ambient temperature.

Other handling and storage requirements: None

Protective measures during maintenance of contaminated equipment: None