

SUPPLIER <b>ELCO LABORATORIES, INC.</b>		HAZARD RATING	
ADDRESS 2545 Palmer Avenue, University Park, Illinois 60466		4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT	<b>FIRE</b> <b>0</b>
TELEPHONE	Medical Emergencies:  24 Hour Transportation Emergency Response:	Poisindex Information System  1 (800) 255-3924	<b>TOXICITY</b> <b>1</b>
	Transportation Information and Product Information:	1 (708) 534-3000	<b>REACTIVITY</b> <b>0</b>
			<b>SPECIAL</b> <b>0</b>

# MATERIAL SAFETY DATA SHEET

TRADE NAME (On Label)	<b>STEAMVAC ULTRA C &amp; U DETERGENT</b>	FORMULA I.D. NUMBER	<b>120-035A</b>
PRODUCT TYPE	<b>Carpet Cleaner</b>	CHEMICAL FORMULA	<b>Solution</b>
		CHEMICAL NAME OR SYNONYM	<b>N/A</b>

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

## SECTION I - COMPOSITION

COMPONENT	CAS REG. NO.	APPROX. % WT.	OSHA TLV	ACGIH TLV
<b>Nonionic Surfactant</b>	<b>68439-51-0</b>	<b>1.5 - 3</b>	<b>N/A</b>	<b>N/A</b>
<b>Anionic Surfactant</b>	<b>N/A</b>	<b>0.5 - 3.5</b>	<b>N/A</b>	<b>N/A</b>

## SECTION II - PHYSICAL PROPERTIES

APPEARANCE - ODOR	<b>Hazy straw yellow liquid, citrus odor</b>		pH	<b>9.0 - 10.0</b>	VISCOSITY (Cps.)	<b>&lt;25</b>	
FREEZING POINT (°F)	<b>30-32</b>	BOILING POINT (°F)	<b>212</b>	VAPOR PRESSURE (mm Hg)	<b>as with water</b>	VAPOR DENSITY (AIR = 1)	<b>&gt;</b>
SOLUBILITY IN WATER	<b>Soluble in all ratios</b>	VOLATILE (% WT.)	<b>85-93</b>	SPECIFIC GRAVITY (g/ml)	<b>1.0200 - 1.0600</b>	EVAP. RATE (Butyl Acetate =1)	<b>&lt;</b>

## SECTION III - FIRE AND EXPLOSION HAZARD

FLASH POINT (°F)	<b>Not Flammable</b>	AUTO IGNITION (°F)	<b>N/A</b>	LOWER EXPLOSION LIMIT (%)	<b>N/A</b>	UPPER EXPLOSION LIMIT (%)	<b>N/A</b>
EXTINGUISHING MEDIUM	<input type="checkbox"/> FOAM <input type="checkbox"/> ALCOHOL <input type="checkbox"/> DRY CHEM. <input checked="" type="checkbox"/> WATER <input type="checkbox"/> OTHER FOAM						
SPECIAL FIRE FIGHTING PROCEDURES	<b>This product is not flammable nor does it support combustion of flammable materials.</b>						
UNUSUAL FIRE AND EXPLOSION HAZARDS	<b>None has been established.</b>						

## SECTION IV - HEALTH HAZARD

THRESHOLD LIMIT VALUES	<input type="checkbox"/> ACGIH	<input type="checkbox"/> OSHA	<input checked="" type="checkbox"/> NONE ESTABLISHED	
PRIMARY ROUTES OF EXPOSURE	<input checked="" type="checkbox"/> EYE	<input checked="" type="checkbox"/> SKIN	<input type="checkbox"/> ORAL	<input type="checkbox"/> INHALATION
CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS	<input type="checkbox"/> NIP	<input type="checkbox"/> IARC	<input type="checkbox"/> OSHA	<input checked="" type="checkbox"/> NONE
EFFECTS OF OVEREXPOSURE	<b>If in contact with eyes, it will cause discomfort. It may cause skin irritation if it is in prolonged contact with skin. It can cause gastrointestinal irritation and nausea, if taken internally.</b>			

## SECTION IV - HEALTH HAZARD CONTINUED

EMERGENCY AND FIRST AID PROCEDURES	
<b>IF IN EYES:</b>	<b>Immediately flush with water for 15 minutes, lifting the upper and lower lids to facilitate cleaning. Consult a physician if irritation continues.</b>
<b>IF ON SKIN:</b>	<b>Wash with soap and water. Remove and wash contaminated clothing to reduce prolonged contact with skin.</b>
<b>IF SWALLOWED:</b>	<b>Drink 1-2 glasses of water or milk. Consult a physician.</b>

## SECTION V - REACTIVITY

<b>STABILITY</b> <input checked="" type="checkbox"/> <b>STABLE</b> <input type="checkbox"/> <b>UNSTABLE</b>	<b>CONDITIONS TO AVOID</b> <b>None known</b>
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> <b>Carbon monoxide and other non-identified carbon by-products may be formed upon pyrolysis.</b>	
<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> <b>MAY OCCUR</b> <input checked="" type="checkbox"/> <b>WILL NOT OCCUR</b>	<b>CONDITIONS TO AVOID</b> <b>N/A</b>
<b>INCOMPATIBILITY</b> <input type="checkbox"/> <b>WATER</b> <input checked="" type="checkbox"/> <b>OTHER</b>	<b>MATERIALS TO AVOID</b> <b>None are known</b>

## SECTION VI - SPILL OR LEAK PROCEDURE

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> <b>For SMALL SPILLS: Flush the area with water and dispose of it in the sanitary drain system.</b>  <b>For LARGE SPILLS: Absorb the material in earth, saw dust, sweeping compounds, etc. Collect in non-leaking containers and wash the area. Dispose of it in accordance with local, state, and federal regulations.</b>
<b>WASTE DISPOSAL METHODS</b> <b>If intended to be discarded as is, deposit it in landfill observing applicable local, state, and federal regulations.</b>

## SECTION VII - SPECIAL PROTECTION

<b>VENTILATION TYPE</b> <b>Mechanical ventilation will be sufficient where the vapors of this product are noticeable.</b>	
<b>RESPIRATORY PROTECTION</b> <b>Optional</b>	
<b>PROTECTIVE GLOVES</b> <b>Rubber (Optional)</b>	<b>EYE PROTECTION</b> <b>You may use splash goggles if eye contact may reasonably be expected to occur</b>
<b>OTHER PROTECTIVE EQUIPMENT</b> <b>None needed for normal use.</b>	

## SECTION VIII - STORAGE AND HANDLING

<b>Use this product with adequate ventilation. Do not transfer this product to unmarked containers.</b>
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## SECTION IX - SHIPPING

<b>PROPER SHIPPING NAME:</b>	<b>Liquid Cleaner</b>
<b>U.S. DOT HAZARD CLASS:</b>	<b>Not Regulated</b>
<b>U.S. DOT I.D. No.:</b>	<b>N/A</b>
<b>LABEL REQUIREMENTS:</b>	<b>None</b>

## SECTION X - MISCELLANEOUS

<b>If product is swallowed and spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs.</b>		
<b>ABBREVIATIONS:</b>	<small>N/A : NOT APPLICABLE</small> <small>N/D : NOT DETERMINED</small> <small>N/E : NOT ESTABLISHED</small>	<small>UNK : UNKNOWN</small> <small>&lt; : LESS THAN</small> <small>&gt; : GREATER THAN</small>
<b>PREPARED BY</b> <b>Dr. Bhupen Trivedi</b>	<b>DATE</b> <b>June 21, 2005</b>	<b>SUPERSEDES</b> <b>New</b>