

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

MATERIAL SAFETY DATA SHEET

TRADE NAME (On Label)	HOOVER ADVANCED DETERGENT	FORMULA ID NUMBER	120-007
PRODUCT TYPE	Carpet Cleaner	CHEMICAL FORMULA	Solution
		CHEMICAL NAME OR SYNONYM	N/A

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.	ODOR/TASTE	ACIDITY/ALKALINITY
Aqueous Textile Auxiliary	N/A	3-5	N/A	N/A
Aqueous Polymer Condensate	N/A	2-3	N/A	N/A
Nonionic Surfactant	68439-51-0	2-3	N/A	N/A
Anionic Surfactant	N/A	0.5-2	N/A	N/A

SECTION II - PHYSICAL PROPERTIES

APPEARANCE/ODOR	Hazy straw yellow liquid, citrus odor		MP	7.0 - 8.0	VISCOSITY (Cp)	<25
FREEZING POINT (°F)	30-32	BOILING POINT (°F)	212	VAPOR PRESSURE (mm Hg)	as with water	
SOLUBILITY IN WATER	Soluble in all ratios	VOLATILITY (M.WT.)	89-95	SPECIFIC GRAVITY (g/ml)	1.0300 - 1.0400	
					VAPOR DENSITY (AIR = 1)	
					>	
					EVAP. RATE (Butyl Acetate = 1)	
					<	

SECTION III - FIRE AND EXPLOSION HAZARD

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

SECTION IV - HEALTH HAZARD

THRESHOLD LIMIT VALUES	ACGIH	OSHA	NONE ESTABLISHED	
PRIMARY ROUTES OF EXPOSURE	EYE	SKIN	ORAL	INHALATION
CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS	NIP	IARC	OSHA	NONE
EFFECTS OF OVEREXPOSURE	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.			

SECTION IV - HEALTH HAZARD CONTINUED

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

SECTION V - REACTIVITY

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

SECTION VI - SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
For SMALL SPILLS: Flush the area with water and dispose of it in the sanitary drain system.
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.
WASTE DISPOSAL METHODS
If intended to be discarded as is, deposit it in landfill observing applicable local, state, and federal regulations.

SECTION VII - SPECIAL PROTECTION

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

SECTION VIII - STORAGE AND HANDLING

Use this product with adequate ventilation. Do not transfer this product to unmarked containers.
--

SECTION IX - SHIPPING

PROPER SHIPPING NAME:	Liquid Cleaner
U.S. DOT HAZARD CLASS	Not Regulated
U.S. DOT LD No.	N/A
LABEL REQUIREMENTS:	None

SECTION X - MISCELLANEOUS

If product is swallowed and spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs.		
ABBREVIATIONS:	N/A: NOT APPLICABLE N/D: NOT DETERMINED N/E: NOT ESTABLISHED	UNK: UNKNOWN <: LESS THAN >: GREATER THAN
PREPARED BY	DATE	SUPERSEDES
Dr. Bhupen Trivedi	November 24, 2003	New