

SUPPLIER <b>ELCO LABORATORIES, INC.</b>		HAZARD RATING <table border="1"> <tr><td>FLAMMABLE</td><td>0</td></tr> <tr><td>TOXICITY</td><td>1</td></tr> <tr><td>REACTIVITY</td><td>0</td></tr> <tr><td>SPECIAL</td><td>0</td></tr> </table>	FLAMMABLE	0	TOXICITY	1	REACTIVITY	0	SPECIAL	0
FLAMMABLE	0									
TOXICITY	1									
REACTIVITY	0									
SPECIAL	0									
ADDRESS 2845 Palmer Avenue, University Park, Illinois 60486										
TELEPHONE	Medical Emergencies: 1 (800) 752-7869 24 Hour Transportation Emergency Response: 1 (800) 732-9278 Transportation Information: 1 (817) 560-4631 Product Information: 1 (708) 534-3000									

# MATERIAL SAFETY DATA SHEET

TRADE NAME <b>HOOVER BARE FLOOR CLEANER</b>	FORMULA ID. #107-102
PRODUCT TYPE Vinyl Floor Cleaner	CHEMICAL NAME OR SYNONYM Solution

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.	UPPER LEL	LOWER LEL
All materials are considered non-hazardous in accordance to 29CFR.				

## SECTION II - PHYSICAL PROPERTIES

APPEARANCE - ODOOR Clear liquid, soapy odor	Wt	10.5-11.0	VELOCITY (ft/min)	8-10	
FREEZING POINT (°F)	32	BOILING POINT (°F)	212	VAPOR PRESSURE (mm Hg)	N/A
SOLUBILITY IN WATER	Soluble	VOLATILE (% WT)	92	SPECIFIC GRAVITY (60/60)	1.0164
				VAPOR DENSITY (AIR = 1)	>
				EVAP. RATE (20°C Ambient @ 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	<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	This product is not flammable and it does not support combustion.						
UNUSUAL FIRE AND EXPLOSION HAZARDS	None have been established.						

## 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 type="checkbox"/> SKIN	<input type="checkbox"/> ORAL	<input type="checkbox"/> INHALATION
CLASSIFICATION OR EMPLOYER CARCINOGENIC INFORMATION	<input type="checkbox"/> NIP	<input type="checkbox"/> IARC	<input type="checkbox"/> OSHA	<input checked="" type="checkbox"/> 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

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

## SECTION V - REACTIVITY

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

## SECTION VI - SPILL OR LEAK PROCEDURE

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> 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.
<b>WASTE DISPOSAL METHODS</b> If intended to be discarded as is, deposit it in landfill observing applicable local, state and federal regulations.

## SECTION VII - SPECIAL PROTECTION

<b>VENTILATION TYPE</b> Not needed	
<b>RESPIRATORY PROTECTION</b> Optional	
<b>PROTECTIVE GLOVES</b> Rubber (Optional)	<b>EYE PROTECTION</b> You may use splash goggles if eye contact may reasonably be expected to occur.
<b>OTHER PROTECTIVE EQUIPMENT</b> None needed for normal use.	

## SECTION VIII - STORAGE AND HANDLING

Do not transfer this product to unmarked containers.
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## SECTION IX - SHIPPING

<b>PROPER SHIPPING NAME</b>	Liquid Cleaner
<b>U.S. DOT HAZARD CLASS</b>	Not regulated
<b>U.S. DOT LB. NO.</b>	N/A
<b>LABEL REQUIREMENTS</b>	None

## SECTION X - MISCELLANEOUS

If product is swallowed and spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs.		
<b>AGGRAVATIONS</b>	<b>MSD : NOT APPLICABLE</b> <b>MSD : NOT DETERMINED</b> <b>MSD : NOT ESTABLISHED</b>	<b>MSD : UNKNOWN</b> <b>MSD : LESS THAN</b> <b>MSD : GREATER THAN</b>
<b>PREPARED BY</b> George C. Kyros	<b>DATE</b> AUGUST 3, 1993	<b>EXPIRES</b> MAY 27, 1993

SUPPLIER <b>ELCO LABORATORIES, INC.</b>		HAZARD RATING HEALTH 0 FLAMMABLE 0 TOXICITY 1 REACTIVITY 0 SPECIAL 0	
ADDRESS 2545 Palmer Avenue, University Park, Illinois 60465			
TELEPHONE	Medical Emergencies: 1 (800) 752-7869 24 Hour Transportation Emergency Response: 1 (800) 732-9876		
	Transportation Information: 1 (817) 560-4631 Product Information: 1 (708) 534-3000		

# MATERIAL SAFETY DATA SHEET

TRADE NAME On Label	<b>HOOVER CARPET &amp; UPHOLSTERY CLEANER</b>		REGISTERED NUMBER	#107-0968	
PRODUCT TYPE	Carpet Cleaner	CHEMICAL FORMULA	Solution	CHEMICAL NAME OR SYNONYMS	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 NO. NO.	APPROX. P. WT.	OSHA TLV	ACGIH TLV
All materials are considered to be non-hazardous in accordance to 29 CFR.				

## SECTION II - PHYSICAL PROPERTIES

APPEARANCE - COLOR	Light brown liquid, pleasantly scented		SG	9.2 ± 0.2	VELOCITY (cm/s)	10-15	
FREEZING POINT (°F)	30-32	BOILING POINT (°F)	212	VAPOR PRESSURE (mm Hg)	66 with water	VAPOR DENSITY (AIR = 1)	>
SOLUBILITY IN WATER	Soluble in all ratios	VOLATILE (P. WT. %)	0.1	SPECIFIC GRAVITY (20°C)	1.0189 ± 0.001	EVAP. RATE (20°C, Airflow = 1)	<

## SECTION III - FIRE AND EXPLOSION HAZARD

FLAMMABLE (LFL)	Not Flammable	HAZARD IDENTIFICATION (H)	N/A	LOWER EXPLOSION LIMIT (L)	N/A	UPPER EXPLOSION LIMIT (U)	N/A
EXTINGUISHING MEDIA	<input type="checkbox"/> FOAM	<input type="checkbox"/> ALCOHOL FOAM	<input type="checkbox"/> DRY CHEM.	<input checked="" type="checkbox"/> WATER	<input type="checkbox"/> 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

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

## SECTION V - REACTIVITY

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

## SECTION VI - SPILL OR LEAK PROCEDURE

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

## SECTION VII - SPECIAL PROTECTION

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

## SECTION VIII - STORAGE AND HANDLING

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

<b>PROPER SHIPPING NAME</b>	Liquid Cleaner
<b>U.S. DOT HAZARD CLASS</b>	Not Regulated
<b>U.S. DOT LD. No.</b>	N/A
<b>HAZ. COMM. NO.</b>	None

## SECTION X - MISCELLANEOUS

If product is swallowed and spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs.		
<b>ABBREVIATIONS</b>	<b>NA</b> : NOT APPLICABLE <b>NE</b> : NOT ESTABLISHED	<b>UNE</b> : UNKNOWN <b>&lt;</b> : LESS THAN <b>&gt;</b> : GREATER THAN
<b>PREPARED BY</b>	<b>DATE</b>	<b>EXPIRES</b>
George C. Kyros	August 3, 1993	May 27, 1993