
 * MATERIAL SAFETY *
 * DATA SHEET *

 SECTION I Product Identification

PRODUCT NAME: EFFECTIVE DATE: 11-85
 GENERIC NAME: CARPET SPOTTER (# CS12)
 SUPPLIERS NAME: PHONE #:
 SUPPLIERS ADDRESS:
 PROPER SHIPPING NAME: CLEANING COMPOUND NOI

CHEMICAL FAMILY: N/A FORMULA: N/A

 SECTION IIa Ingredients Listed as Hazardous
 According to OSHA 29CFR1910

CHEMICAL NAME	CAS#	WT%	PEL (PPM)	TLV (PPM)		STEL	CARCINOGEN
				TWA	STEL		
111-TRICHLOROETHANE	71-55-6	>1%	350	350	450		NO
PERCHLOROETHYLENE	127-18-4	>1%	N/A	50	200		NO
CARBON DIOXIDE	124-28-9	>1%	5000	5000	15000		NO

 SECTION IIb Ingredients not Listed as Hazardous

CHEMICAL NAME	CAS#	WT%
TRADE SECRET	N/A	to 100%

(per OSHA Hazard Communication Standard 1910.1200 (i))

 SECTION III Physical Data

BOILING RANGE: N/A	SPECIFIC GRAVITY: 1.35
VAPOR PRESSURE: 85 psig @ 68 F	VOLATILES: 100%
% SOLID BY WEIGHT: N/A	VAPOR DENSITY (AIR=1): >1
SOLUBILITY IN WATER: NIL	pH: N/A
EVAPORATION RATE [WATER=1]: >1	
PHYSICAL DESCRIPTION: aerosol spray with characteristic odor	

 SECTION IV Fire and Explosion Hazards

FLASH POINT: none	METHOD USED: N/A
FLAMMABLE LIMITS: N/A	
EXTINGUISHING MEDIA: N/A	

SPECIAL FIRE FIGHTING PROCEDURES: not flammable
 UNUSUAL FIRE AND EXPLOSION HAZARDS: can heated by fire can explode

(OVER)

SECTION V

Health Hazard Data

THRESHOLD LIMIT VALUE: N/A

PERMISSIBLE EXPOSURE LIMIT: N/A

OTHER LIMIT: N/A

PRIMARY ROUTES OF ENTRY: N/A

EFFECTS OF OVEREXPOSURE: harmful if inhaled or absorbed
thru skin. Irritating to skin
and eyes.EMERGENCY AND FIRST AID PROCEDURES: flush skin and or eyes with
water. If ingested, do not
induce vomiting. Get medical
attention if irritation
persists. For inhalation get
to fresh air

SECTION VI

Reactivity Data

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITY (material to avoid): strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: HCL, CO and phosgene from
thermal decomposition

SECTION VII

Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: mop up or
otherwise absorb and hold for disposal

WASTE DISPOSAL METHOD: any method in accordance with applicable laws

CERCLA (SUPERFUND) REPORTABLE QUANTITY (IN LBS): N/A

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33): N/A

VOLATILE ORGANIC COMPOUND (VOC) (AS PACKAGED, MINUS WATER): N/A

SECTION VIII

Special Protection Data

RESPIRATORY PROTECTION (specify type): use with adequate ventilation

VENTILATION: Provide local exhaust to keep TLV of Section IIa
ingredients below acceptable limit.

PROTECTIVE GLOVES (specify type): solvent proof recommended

EYE PROTECTION (specify type): safety glasses recommended

OTHER PROTECTIVE EQUIPMENT: N/A

SECTION IX

Special Precautions

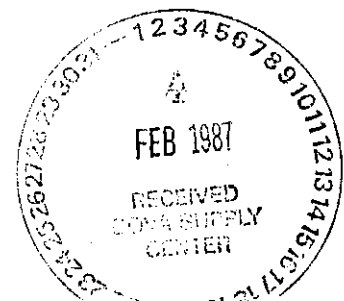
KEEP AWAY FROM CHILDREN

FOR USE BY TRAINED PERSONNEL ONLY

KEEP CONTAINER CLOSED DURING STORAGE

FOR INSTITUTIONAL AND INDUSTRIAL USE ONLY

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition. We make no warranties, express or implied, and assume no liability in connection with any use of the information.



VII. SPECIAL PROTECTION INFORMATION

1. VENTILATION

Not applicable

2. Respiratory Protection

Not applicable

3. Other Protective Measures

Do not handle pouches with wet hands

Do not open pouches directly.

VIII. LABELING

Where applicable, this product is labeled and packaged in accordance with the regulations of the following agencies:

- () Department of Transportation, under the Federal Hazardous Materials Transportation Act.
 - () Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act.
 - () Consumer Products Safety Commission under the Federal Hazardous Substances Act.
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The information herein is given in good faith but no warranty, express or implied, is made.

LIBERTY L-671

Pre-Measured QUATERNARY 256 Detergent-Disinfectant-Deodorizer

PRODUCT DATA

CHARACTERISTIC	TEST METHOD	PHYSICAL PROPERTY/ TEST RESULT
Appearance		Powder in clear water soluble packets
Color		Yellow
Odor		Pine Needle
Bulk Density		0.77 @ 25 C
Water Solubility, %	Room Temp. (12) Should Dissolve within 3 min.	Complete
pH, 1:256	ASTM E-70	10.0
Rinsing Properties	ASTM E-70	Free Rinsing
Abrasives		None
Detergency		Excellent
Deleterious Effects on Flooring (1:256) Vinyl Vinyl Asbestos Asphalt	Federal Specifications PD-220a	Pass Pass Pass
Effects on Conductive Flooring Terazzo Linoleum Vinyl	National Fire Protection Assoc. Standard No. 56A	Pass Pass Pass
Leaker Testing	Visual @ Line. Buckets held 24 hrs. are dropped from 3-4 ft. 3 times & examined	

GUIDELINES AND DEFINITIONS

SKIN IRRITATION: Ratings corresponding to the following definitions are derived from data obtained from the test methods as described in the 16 CFR 1500.41 and categories of toxicity as described in NAS Publication 1138.

1. **Practically Non-Irritating:** The undiluted product may cause mild or slight irritation (erythema skin reaction values of 0 or 1) of the intact or abraded skin of rabbits at 72 hours. EPA Category IV.
2. **Moderate Irritant:** The undiluted product causes severe irritation (erythema skin reaction values of primarily 1 and/or 2) of the intact or abraded skin of rabbits at 72 hours. EPA Category III.
3. **Severe Irritant:** The undiluted product causes severe irritation (erythema skin reaction values of primarily 3 or 4 with or without edema) of the intact or abraded skin of rabbits at 72 hours. EPA Category II.
4. **Corrosive:** The undiluted product causes visible destruction, irreversible alterations, or scarring of the tissue structure at the sight of contact on the intact or abraded skin of rabbits. EPA Category I.

EYE IRRITATION: Ratings corresponding to the following definitions are derived from data obtained from the test methods described in the 16 CFR 1500.42 and categories of toxicity as described in NAS Publication 1138:

1. **Practically Non-Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces minimal effects, clearing in less than 24 hours. EPA Category IV.
2. **Moderately Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces corneal involvement or irritation, clearing in 7 days or less. EPA Category III.
3. **Severely Irritating:** The undiluted product, when instilled into the eyes of rabbits, produces corneal involvement or irritation, clearing in 21 days or less. EPA Category II.
4. **Corrosive:** The undiluted product, when instilled into the eyes of rabbits, produces irreversible destruction of ocular tissue or corneal involvement or irritation persisting for more than 21 days. EPA Category I.

ORAL TOXICITY: Ratings corresponding to the following definitions are derived from data obtained from the test methods as described in the 16 CFR 1500.40 and categories of toxicity as described in 40 CFR 162.10:

1. **Non-Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from ingestion studies (LD₅₀) is greater than 5 grams per kilogram of body weight. EPA Category IV.
2. **Slightly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from ingestion studies (LD₅₀) is greater than 500 milligrams per kilogram and less than or equal to 5 grams per kilogram of body weight. EPA Category III.
3. **Moderately Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from ingestion studies (LD₅₀) is greater than 50 milligrams per kilogram and less than or equal to 500 milligrams per kilogram of body weight. EPA Category II.
4. **Very Toxic:** The probable lethal dose of the undiluted product to 50% of the test animals determined from ingestion studies (LD₅₀) is less than or equal to 50 milligrams per kilogram of body weight. EPA Category I.

DERMAL TOXICITY: Ratings corresponding to the following definitions are derived from data obtained from the test methods as described in 16 CFR 1500.40 and categories of toxicity as described in 40 CFR 163.100-4.

1. **Non-Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD₅₀) is greater than 2 grams per kilogram of body weight with no mortality observed when this dose is administered. EPA Category IV.
2. **Slightly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD₅₀) is greater than 2 grams per kilogram of body weight, although some mortality is observed at this dose level. EPA Category III.
3. **Moderately Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD₅₀) is greater than 200 milligrams and less than or equal to 2 grams per kilogram of body weight. EPA Category II.
4. **Very Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD₅₀) is less than or equal to 200 milligrams per kilogram of body weights. EPA Category I.

INHALATION TOXICITY: Ratings corresponding to the following definitions are derived from categories of toxicity described in 40 CFR 162.10.

1. **Non-Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from inhalation studies (LC₅₀) is greater than 20 milligrams per liter by volume when inhaled continuously for one hour or less. EPA Category IV.
2. **Mildly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from inhalation studies (LC₅₀) is greater than 2 milligrams and less than or equal to 20 milligrams per liter by volume when inhaled continuously for one hour or less. EPA Category III.
3. **Moderately Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from inhalation studies (LC₅₀) is greater than 0.2 milligrams and less than or equal to 2 milligrams per liter by volume when inhaled continuously for one hour or less. EPA Category II.
4. **Highly Toxic:** The probable lethal dose of undiluted product to 50% of the test animals determined from inhalation studies (LC₅₀) is less than or equal to 0.2 milligrams per liter of volume when inhaled continuously for one hour or less. EPA Category I.