

Sodium Tripolyphosphate 0.1\$ CAS#7758-29-4

P.O. Box 639, Route 5-S, Amsterdam,

FACILITIES PLANNING
Amsterdam, N.Y. 12010

MATERIAL SAFETY D EMERGENCY PHONE - 24 HOURS (201) 573-5700

Date	e of issue	January 1982	Revised Date	September 6, 1985	EPA#	675-47	
I.	IDENTIFICA	ATION					
	1. Manufacture	er:			oratories, Lyh sion of Sterli		
	2. Packager.			Liberty Ente Amsterdam, NY	rprises, P.O. 7 12010.	Box 639,	Rte. 5-S
	3. Trade Name	ı			-671, Pre- ifectant-Deodori	measured izer.	Quaternary
٠	4. Intended Us	e		For Cleaning Environmental	, Disinfection Surfaces.	and Deodo	rization o
II.	APPAREN (See Safety and H information - Secti VI and VII.	ealth	1. Ski 2. Eye 3. Ora 4. De 5. Inh	n Irritation (4 e Irritation (4 al Toxicity (2	4) Corrosive 4) Corrosive 2) Slightly Tox 4) Non-Toxic 5) Not Applical	ble	Definitions" Yes (¾) N
III. mat			•	contain materials in minor ingredients - less	•	-	, name each
	mercury	, arsenic, sil	pounds (includ ver, beryllium, se, nickel, alui	cadium,		() Yes	(x) No
	Sodium Sulf	cyani tes, sulfates ate	•	7757-82-6	, silica or compounds,	() Yes	(X) No

	3. Alphatic carbon compounds, (including carbon tetrachloride, other halogenated hydrocarbons, formaldehyde, methyl alcohol, acrolein, peroxides, glycols, carbon disulfide, aldehydes, esters or keytones.			()) Y	'es	(x)	No
	4.	Volatile aromatic carbon compounds, aromatic nitro or amino compounds	() Y	'es	(x)	No
	5.	Other materials of importance N-Alkyl Dimethel Benzyl Ammonium Chlorides	.45% (45% C 3.76% 0% CA	CAS AS# CA	5#80 # 27 S#6 5843	1479-1 14-02- 39-49	4-5 28-3 8	•	No
IV.	<u>RE/</u>	ACTIVITY DATA Is material: Liquid() Solid() Gas() Paste() Powder(X) Aerosol()							
	2.	Is material flammable?	()	Yes	; (X) No	5		
	3.	Flash point and method used	()	Ye	s ((X) No	0		
	4.	Is material explosive?	()	Yes	s ((x) N)		
,	5.	Are volatile ingredients given off at room temperature?	()	Ye	w	(X) N	o		
	6.	Are volatile ingredients given off when heated during normal use?	()	Yes	s ((X) No	5		·.
	7.	Is material known to react violently with other materials? If yes, explain	()	Yes	s (X) No)		

V. HANDLING, STORAGE, TRANSPORTATION, AND DISPOSAL REQUIREMENTS

PRECAUTIONARY STATEMENTS; HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

DANGER: KEEP OUT OF REACH OF CHILDREN. Corrosive. Do not handle pouches with wet hands. Powder causes eye damage and severe skin irritation. Do not get powder in eyes, on skin or in clothing. Do not open pouches directly. Harmful if swallowed. Avoid contamination of food. Do not tremove pouches from package except for immediate use. Wash hands thoroughly after using. 100/1/2 oz. Storage - Store in original container in areas inaccessible to small children. Keep securely closed. Do not contaminate food or feed.

Disposal - Do not reuse empty container, Rinse thoroughly with water and detergent.

VI. FIRST AID PROCEDURES

In case of powder contact with eyes or skin, immediately flush with plenty of water for at least 15 minutes. Call physician immediately. Remove and wash contaminated clothing.

If swallowed, drink promptly a large dose of milk, egg white, or gelatine solution. If these are not available, drink large quantuties of water. Avoid alcohol, Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucous damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

	1. VENTILATION						
	Not applicable						
	2. Respiratory Protection						
	Not applicable						
٠	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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LIBERTY L-671

Pre-Measured QUATERNARY 256 Detergent-Disinfectant-Deodorizer

PRODUCT DATA

CHARACTERISTIC	TEST METHOD	PHYSICAL PROPERTY/ TEST RESULT		
Appearance		Powder in clear water soluable pockets		
Color		Yellow		
Odor		Pine Needle		
Bulk Density		0.77 @ 25 C		
Water Solubility, %	Room Temp. H2) 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 an 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.

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 (LD is greater than 5 grams per kilogram of body weight EPA Category IV.
- Slightly Toxic: The probable lethal dose of undiluted product to 50% of the test animals determined from ingestion studies
- (LD) 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
- (LD) 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 Toxcic: The probable lethal dose of the undiluted product to 50% of the test animals determined from ingestion studies (LD) is less than or equal to 50 milligrams per kilogram of body weight. EPA Category I.

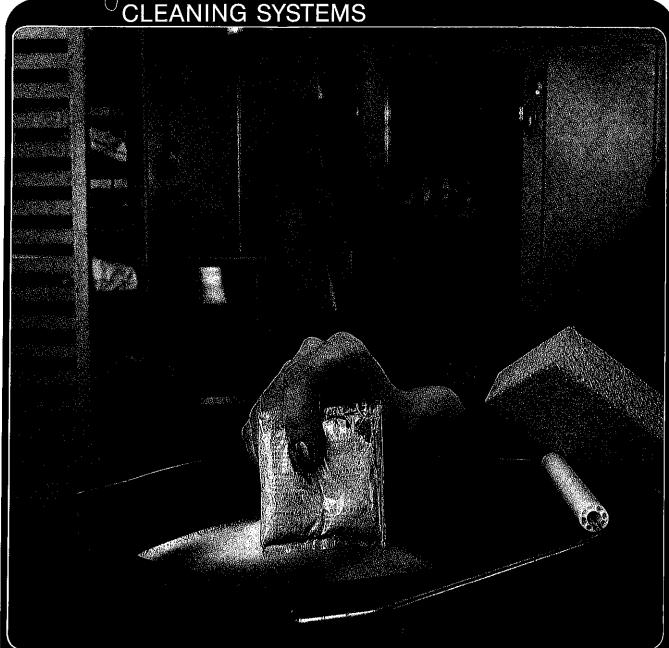
DERMAL TOXICITY: Ratings corresponding to the following definitions are derived from data obyained from the test methods as described in 16 CFR 1500.40 and categories of toxicity as described in 40 CFR 163.100-4.

- 1. Non-Toxic: The probable lethal dose of undiluted product to 50% of the test animals determined from dermal toxicity studies (LD) is greater than 2 grams per kilogram of body weight with no mortality observed when this fdose 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 (LD) 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 (LD) 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 (LD) 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.

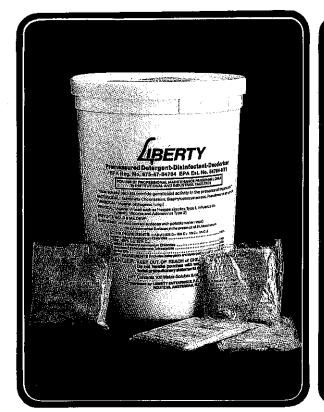
- 1. Non-Toxic: The probable lethal dose of undiluted product to 50% of the test animals determined from inhalation studies (LC) is greater than 20 milligrams per liter by volume when inhaled continuously for one hour or less. EPA Category IV.
- 2. Mildly Toxic: The probable lethal dose of undiluted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

LIBERTY



L-671 PRE-MEASURED DISINFECTANT

☐ An effective, germicidal detergent that's designed to eliminate guesswork. ☐ In order for germicidals to perform properly, they must be used at the proper dilution rate. ☐ Liberty's pre-measured, L-671, eliminates measuring, danger, and waste. ☐ It is specially developed to be used on environmental, hard surfaces such as floors, walls, furniture, and fixtures.



FEATURES	BENEFITS
Pre-measured Packet	 □ Guarantees effective use; dilution ratio □ Safely eliminates splashback □ Easy to use; just drop the packet into water □ Simplifies personnel training □ Easy to store and keep track of inventory
"Dual" Quaternary Ammonium Chloride Formulation	 □ Provides a broad spectrum of rapid and effective kill □ Effective as a bactericidal, fungicidal, and virucidal □ Prevents mold and mildew □ Reduces the danger of cross contamination □ Effective sanitizer when diluted to 1:768

SPECIFICATIONS

☐ Appearance:

☐ Color:

□ Odor:

☐ pH 1:256:

☐ Bulk Density:

☐ Rinsing Properties:

Abrasive:

Detergent

□ Pocket Size

Powdered Packet

Yellow

Fresh Scent

10

100% in warm water

in 3 minutes

0.77 at 25°C

Free Rinsing

None

Excellent

1/2 oz. and 11/2 oz.





P.O. BOX 639, ROUTE 5S AMSTERDAM, NEW YORK 12010 (518) 842-5080

DISTRIBUTED BY:						