

Trade name: Mark 11 Disinfectant Cleaner

## 1 Identification of the substance/mixture and of the company/undertaking

• 1.1 Product identifier

• Trade name: Mark 11 ST-735, ST-738, ST-740, ST-740E, ST-745, ST-747, ST-1375, ST-1394, ST-2020, 2309951, 2309043,

2307384, 2374007, 2313750,

• 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the preparation Disinfectant

Product dilution information: 0.5 fl. oz. (17.78 ml) per 1 quart (0.947 L.) of water for disinfection. (10 minute contact time) 0.5 fl. oz. (17.78 ml) per 1 quart (0.947 L.) of water for non-food contact sanitizing. (1 minute contact time)

### • 1.3 Details of the supplier of the Safety Data Sheet

Stearns Packaging Corporation 4200 Sycamore Avenue (53714)

PO Box 3216

Madison, WI 53704-0216 Phone: 800-655-5008

Email: stearns@stearnspkg.com Website: www.stearnspkg.com

### • 1.4 Emergency telephone number:

ChemTel Inc.

(800)255-3924, +1 (813)248-0585

## 2 Hazards identification

• 2 1	Classification	of the	substance	or mixture
· 4. I	Ciassilication	OI LITE	Substance	OI IIIIALUI E

#### Classification according to Regulation (EC) No 1272/2008

<b>3 3 4</b> 7		
Product as SOLD	Product at USE DILUTION	
GHS05 corrosion	Not classified.	
Eye Dam. 1 H318 Causes serious eye damage.	Not classified.	
€ GHS07	No pictogram	
Skin Irrit. 2 H315 Causes skin irritation.	Eye Irrit. 2B, H320 Causes eye irritation	
Acute Tox. 4 H302 Harmful if swallowed.		

### • Classification according to Directive 67/548/EEC or Directive 1999/45/EC

#### • Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

### · Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 1) · Additional information: Concentrated product is corrosive as shown in this document. When diluted at least 1:1 (50% or less solution) with water, product is non-hazardous. 2.2 Label elements Labeling according to Regulation (EC) No 1272/2008 **Product as SOLD Product at USE DILUTION** The product is classified and labeled according to the CLP regulation. The mixture does not meet the criteria for classification. · Hazard pictograms None GHS05 GHS07 · Signal word Danger Warning · Hazard-determining components of labelling: Alkyl (C12,C14,C16) Dimethyl Benzyl Ammonium Chloride Alkyl (C12,C14,C16) Dimethyl Benzyl Ammonium Chloride Didecyl Dimethyl Ammonium Chloride Didecyl Dimethyl Ammonium Chloride Hazard statements H302 Harmful if swallowed. H320 Causes eye irritation. H315 Causes skin irritation. H318 Causes serious eye damage. Precautionary statements P280 Wear protective gloves/eye protection. Wash hands thoroughly after handling. P264 Wash hands thoroughly after handling. IF IN EYES: Rinse cautiously with water for several P270 Do not eat, drink or smoke when using this product. minutes. Remove contact lenses if present and easy to P302+P352 IF ON SKIN: Take off contaminated clothing do. Continue rinsing. If eye irritation persists get medical and wash before reuse. Wash with plenty of water. If attention. skin irritation occurs: Get medical advice/attention. P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 3 Composition/information on ingredients

Immediately call a poison center / doctor.
P301+P312+P330 IF SWALLOWED: Rinse mouth. Call
a POISON CENTER or doctor/physician if you feel

3.2 Mixtures

unwell.

• Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 68391-01-5	Alkyl Dimethyl Benzyl Ammonium Chloride	2.0-3.0%
	C R34; Xn R22; Xi R41	
	Skin Corr. 1B, H314; Eye Dam. 1, H318  Acute Tox. 4, H302	



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 2)

CAS: 85409-23-0	Alkyl (C12-14) Dimethyl (ethylbenzyl) Ammonium Chloride  C R34; Xn R22; Xi R41	2.0-3.0%
	Skin Corr. 1B, H314; Eye Dam. 1, H318  ••• Acute Tox. 4, H302	
CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	Sodium Carbonate  Xi R36  Eye Irrit. 2A, H319	<5%

• Additional information: For the wording of the listed risk phrases refer to section 16.

## 4 First-aid measures

<ul> <li>4.1 Description of first aid measures</li> </ul>	
Product as SOLD	Product at USE DILUTION
General information: Immediately remove any clothing soiled by the product.  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.	No special measures required.
<ul> <li>After inhalation: Supply fresh air; consult doctor in case of complaints.</li> </ul>	Remove victim to fresh air and keep comfortable for breathing.
After skin contact:     Immediately rinse with water.     If skin irritation continues, consult a doctor.	Immediately rinse with water. If skin irritation continues, consult a doctor.
After eye contact:     Remove contact lenses if worn.     Rinse opened eye for several minutes under running water.     If symptoms persist, consult a doctor.	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.
After swallowing:     Rinse out mouth and then drink plenty of water.     Do not induce vomiting; call for medical help immediately.	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
4.2 Most important symptoms and effects, both acute and delayed Irritant to skin and mucous membranes. Strong irritant with the danger of severe eye injury. Breathing difficulty Gastric or intestinal disorders.	No known effects.
Hazards     Danger of gastric perforation.     Danger of severe eye injury.     Danger of impaired breathing.	No known effects.
• 4.3 Indication of any immediate medical attention and spe	ecial treatment needed
Treat skin and mucous membrane with antihistamine and corticoid preparations. If swallowed, gastric irrigation.	Treat symptomatically.

(Contd. on page 4)



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 3)

## 5 Fire-fighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents: None.
- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- 5.3 Advice for firefighters
- Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Do not inhale explosion gases or combustion gases.

• Additional information No further relevant information available.

## 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures			
Product as SOLD	Product at USE DILUTION		
Use respiratory protective device against the effects of fumes/dust/aerosol.  Wear protective equipment. Keep unprotected persons away.  Ensure adequate ventilation	Use personal protective equipment as required.		
6.2 Environmental precautions:			
Do not allow to enter sewers/ surface or ground water.	Avoid contact of large amounts of spilled material and run off with soil and surface waterways.		
6.3 Methods and material for containment and cleaning	up:		
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Clean the affected area carefully; suitable cleaners are:	Large Spills: Flush area with water. Prevent entry into waterways. Small Spills: Wipe up with absorbent material.		
• 6.4 Reference to other sections			
See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.		

## 7 Handling and storage

• 7.1 Precautions for safe handling		
Product as SOLD	Product at USE DILUTION	
Use only in well ventilated areas. Prevent formation of aerosols. Avoid splashes or spray in enclosed areas.	No special measures required.	
Information about fire - and explosion protection:		
Keep ignition sources away - Do not smoke.	No special measures required.	

(Contd. on page 5)



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 4)

Product as SOLD	Product at USE DILUTION		
• 7.2 Conditions for safe storage, including any incompatibilities			
• Storage:			
Requirements to be met by storerooms and receptacles:			
Avoid storage near extreme heat, ignition sources or open flame.	Keep out of reach of children.		
Information about storage in one common storage facility:			
Store away from foodstuffs. Store away from oxidizing agents. Do not store together with acids.  No storage precautions necessary.			
Further information about storage conditions:			
Store in cool, dry conditions in well sealed receptacles. Protect from freezing.	No storage precautions necessary.		
• 7.3 Specific end use(s) No further relevant information available.			

## 8 Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.			
Product as SOLD	Product at USE DILUTION		
• 8.1 Control parameters			
Ingredients with limit values that require monitoring at t	he workplace:		
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.  • DNELs No further relevant information available.  • PNECs No further relevant information available.  • Additional information: The lists valid during the making were used as basis.	Not applicable		
8.2 Exposure controls			
Personal protective equipment:			
General protective and hygienic measures:			
Pregnant women should strictly avoid inhalation or skin contact.  The usual precautionary measures are to be adhered to when handling chemicals.  Wash hands before breaks and at the end of work.  Keep away from foodstuffs, beverages and feed.  Avoid contact with the eyes and skin.  Do not inhale gases / fumes / aerosols.	Not required under normal conditions of use.		
Respiratory protection:			
Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.	A respirator is not required under normal and intended conditions of use.		

(Contd. on page 6)



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 5)

Product as SOLD	Product at USE DILUTION	
Protection of hands:		
Protective gloves	No protective equipment is needed under normal conditions.	
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.		
Material of gloves		
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.	No protective equipment is needed under normal conditions.	
Penetration time of glove material		
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.	No protective equipment is needed under normal conditions.	
• For the permanent contact gloves made of the following r	materials are suitable:	
Neoprene gloves Butyl rubber, BR Nitrile rubber, NBR	No protective equipment is needed under normal conditions.	
Eye protection:		
Tightly sealed goggles	No protective equipment is needed under normal conditions.	
Body protection:		
Protective work clothing.	No protective equipment is needed under normal conditions.	
Limitation and supervision of exposure into the environment		
No further relevant information available.	No further relevant information available.	
Risk management measures		
See Section 7 for additional information. No further relevant information available.	No further relevant information available.	

# 9 Physical and chemical properties

	Product as SOLD	Product at USE DILUTION
• 9.1 Information on basic physical		
General Information     Appearance:     Form:     Color:     Odor:     Odor threshold:	Liquid Red Pleasant Not determined.	Liquid Light Red Pleasant Not determined.
• pH-value at 20 °C:	11.25 ± 0.25 for concentrate	9.4 ± 0.5

(Contd. on page 7)



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 6)

	Product as SOLD	Product at USE DILUTION
Change in condition     Melting point/Melting range:     Boiling point/Boiling range:	Undetermined. 212 °F / 100 °C	Not applicable. 100° C / 212° F
Flash point:	Not applicable.	Not applicable.
Flammability (solid, gaseous):	Not applicable.	Not applicable.
Ignition temperature:	Not determined.	Not applicable.
Decomposition temperature:	Not determined.	Not determined.
Self-igniting:	Product is not self-igniting.	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.	Product does not present an explosion hazard.
Explosion limits:     Lower:     Upper:	Not determined. Not determined.	Not determined. Not determined.
Vapor pressure at 20 °C:	23 hPa	Not determined.
<ul> <li>Density at 20 °C:</li> <li>Relative density</li> <li>Vapor density</li> <li>Evaporation rate</li> </ul>	1.00 g/cm³ Not determined. Not applicable. Not applicable.	1.00 g/cm³ Not determined. Not applicable. Not applicable.
Solubility in / Miscibility with water:	Fully miscible.	Complete
Partition coefficient (n-octanol/water):	Not determined.	Not determined.
Viscosity:     Dynamic:     Kinematic:	1.4489 mm²/s (cSt) @ 22°C Not applicable.	Not determined. Not determined.
Solvent content:     Organic solvents:     Water:	0.8 % 93.3 %	Not determined. Not determined.
Solids • 9.2 Other information	0.2 % No further relevant information available.	Not determined. No further relevant information available.

## 10 Stability and reactivity

- 10.1 Reactivity Not determined.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

• 10.3 Possibility of hazardous reactions

Reacts with oxidizing agents.

Toxic fumes may be released if heated above the decomposition point.

Contact with acids releases toxic gases.

• 10.4 Conditions to avoid

Keep ignition sources away - Do not smoke.

Store away from oxidizing agents.

Keep away from heat and direct sunlight.

• 10.5 Incompatible materials:

Warning! Do not use together with other products. May release dangerous gases (chlorine).

Contact with acids liberates toxic gases. Strong oxidizing agents.



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 7)

• 10.6 Hazardous decomposition products:

Possible in traces. Hydrogen chloride (HCI) Carbon monoxide and carbon dioxide

## 11 Toxicological information

Product as SOLD	Product at USE DILUTION
• 11.1 Information on toxicological effects	
Acute toxicity:	
>1,000 mg/kg for male and female rats.	Non-toxic at use-dilution.
Primary irritant effect:	
• on the skin:	
Irritant to skin and mucous membranes.	Non-hazardous at use-dilution.
• on the eye:	
Strong irritant with the danger of severe eye injury.	Non-hazardous at use-dilution.
Sensitization: No sensitizing effects known.	No sensitizing effects known.

## 12 Ecological information

- 12.1 Toxicity
- Aquatic toxicity: Toxic for aquatic organisms
- 12.2 Persistence and degradability The product is partially biodegradable. Significant residuals remain.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.

Water Hazard Class (Self-classification) in the concentrate.

- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 8)

# 13 Disposal considerations

• 13.1 Waste treatment methods	
Product as SOLD	Product at USE DILUTION
Recommendation	
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
Uncleaned packaging:	
Recommendation: Disposal must be made according to official regulations.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
Recommended cleansing agents: Water, if necessary together with cleansing agents.	Water

14 Transport information		
Product as SOLD		
• 14.1 UN-Number • DOT, ADR, ADN, IMDG, IATA	N/A	
• 14.2 UN proper shipping name • DOT, ADR, ADN, IMDG, IATA	Disinfectants, NOI, liquid.	
• 14.3 Transport hazard class(es)		
• DOT, ADR, ADN, IMDG, IATA • Class	N/A	
• 14.4 Packing group • DOT, ADR, IMDG, IATA	N/A	
14.5 Environmental hazards:     Marine pollutant:	Yes	
• 14.6 Special precautions for user	Not applicable.	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.	
• UN "Model Regulation":	Disinfectants, NOI, liquid	
Product at USE DILUTION Not intended for transport.		

(Contd. on page 10)



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 9)

# 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)

Product as SOLD	Product at USE DILUTION
Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	Not applicable.
Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	None of the ingredients is listed.
TSCA (Toxic Substances Control Act):	
All ingredients are listed.	All ingredients are listed.
Proposition 65 (California):	
Chemicals known to cause cancer:	
None of the ingredients is listed.	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for fen	males:
None of the ingredients is listed.	None of the ingredients is listed.
• Chemicals known to cause reproductive toxicity for ma	ales:
None of the ingredients is listed.	None of the ingredients is listed.
Chemicals known to cause developmental toxicity:	
Ethanol - listing refers specifically to alcoholic beverage consumption and is not applicable for product.	None of the ingredients is listed.
64-17-5 ethanol	
Carcinogenic Categories	
EPA (Environmental Protection Agency)	
None of the ingredients is listed.	None of the ingredients is listed.
IARC (International Agency for Research on Cancer)	
64-17-5 ethanol	1 None of the ingredients is listed.
• TLV (Threshold Limit Value established by ACGIH)	
64-17-5 ethanol	A3 None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety an	nd Health)
None of the ingredients is listed.	None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration	n)
All ingredients are listed.	All ingredients are listed.

(Contd. on page 11)



Trade name: Mark 11 Disinfectant Cleaner

(Contd. from page 10)

#### Canada

Canadian Domestic Substances List (DSL)			
All ingredients are listed.		All ingredients are listed.	
Canadian Ingredient Disclosure list (limit 0.1%)			
64-17-5	ethanol	None of the ingredients is listed.	
• Canadian Inç	Canadian Ingredient Disclosure list (limit 1%)		
None of the ingredients is listed.		None of the ingredients is listed.	

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Relevant phrases

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

R21/22 Harmful in contact with skin and if swallowed.

Harmful if swallowed. R22

Causes burns. R34

R37 Irritating to respiratory system. R41 Risk of serious damage to eyes.

### • SDS File Name: SL30 Mark 11 SDS

### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

#### Sources

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com **Revision:** 5/20/19

Steams Packaging Corporation makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Steams Packaging Corporation as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Steams Packaging Corporation assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Steams Packaging Corporation does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.