SAFETY DATA SHEET

SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

1.1 Product name: General use: Product description: Product number(s): Disinfectant / Sanitizer / Deodorizer Disinfecting agent Pink liquid 8759

 1.2
 Manufacturer:
 Michigan Sta

 Telephone number:
 49201 (517)

 Emergency number:
 Poison Cont

Michigan State Industries, 1780 E. Parnall Rd., Jackson MI, 49201 (517) - 780 - 6726 Poison Control Center: (800) - 222 - 1222

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SECTION 2 – HAZARDS IDENTIFICATION

2.1	Classification of the substance:		GHS05 GHS09 GHS06
2.1	Classification of the substance.		Cat. 1C; Skin Cat. 1; Eye Cat. 4; Aquatic Cat. 5; Toxicity
2.2	Signal word:		DANGER
2.2	Hazard statement:	H301	Toxic if swallowed.
2.2	Hazard Statement.	H312	Harmful in contact with skin.
		H314	Causes severe skin burns and eye damage.
		H400	Very toxic to aquatic life.
2.3	Precautionary prevention statements:	P260:	Do not breathe dust / fume/ gas / mist / vapors / spray.
2.0	r reductionary prevention statements.	P264:	Wash exposed skin thoroughly after handling.
		P273:	Avoid release to the environment.
		P280:	Wear protective gloves / protective clothing / eye protection / face protection.
2.4	Precautionary response statements	P310:	Immediately call a POISON CENTER or doctor/physician.
	· · · · · · · · · · · · · · · · · · ·		IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
		P304, P340:	IF INHALED: Remove victim to fresh air, rest in a position comfortable for
		,	breathing.
		P305, P351, P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
			lenses, if present and easy to do. Continue rinsing as needed.
		P363:	Wash contaminated clothing before reuse.
2.5	Precautionary storage statement:	P405:	Store locked up.
2.6	Precautionary disposal statement:	P501:	Dispose of contents/container in accordance with local / regional / national /
			international regulations.
2.7	NFPA / HMIS rating: Factory		3, 0, 0, COR
	End User (concen	trated/diluted)	1, 0, 0, B

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1	Hazardous components:	CAS #	% by wt.		<u>A PEL</u> mg/M ³	ACGII PPM	<u>H TWA</u> mg/M ³	<u>SARA</u> TITLE III	<u>RQ</u> LBS.
	n-alkyl dimethyl benzyl ammonium chloride n-alkyl dimethyl ethylbenzyl ammonium chlorid	-68391-01 de 68956-79		Not esta Not esta		Not esta Not esta		311 / 312 311 / 312	None None

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product. All components and their specific proportions in this product are considered proprietary to Michigan State Industries.

SECTION 4 – FIRST AID MEASURES

4. 1	Description of first aid measures General information: After inhalation:	Immediately remove any clothing soiled by the product. Always seek medical help for any exposure. In case of unconsciousness place patient stably in side position for transportation. Supply fresh air. If required, provide artificial respiration. Keep patient warm.
	After skin contact:	Immediately rinse with water. Seek immediate medical advice.
	After eye contact:	Remove contact lenses if worn. Rinse eye for several minutes under running water. Seek medical advice.
	After swallowing:	Do not induce vomiting; call for medical help immediately. Rinse out mouth and then drink plenty of water. A person vomiting while on their back should be turned onto their side.

SECTION 5 – FIRE FIGHTING PROCEDURES

5.1	Extinguishing media:	Carbon dioxide, water fog, chemical foam, dry chemical. Material is non-flammable.
5.2	General hazards:	Material is corrosive, avoid contact and conditions that result in agitating or foaming the material.
5.3	Advice for firefighters:	Protective equipment: Wear a self-contained respiratory protective device.
5.4	Unusual hazards:	Do not allow this product to escape into the surrounding environment.
5.5	Fire fighting procedures:	Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Material is alkaline and will irritate the eyes if product or fumes contact the eyes.
5.6	Decomposition compounds:	Oxides of carbon, chlorine, and nitrogen may be released with sufficient thermal energy.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- 6.1 Protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away. Particular danger of slipping on leaked/spilled product. Ensure adequate ventilation, material is very irritating, avoid direct contact.
- 6.2 Environmental precautions: Dilute with plenty of water and do not allow it to enter sewers, surface or ground water.
- 6.3 Methods and materials for containment and clean up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Clean the affected area carefully, dispose contaminated material as waste according to Section 13.
- 6.4 Reference to other sections: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

SECTION 7 – HANDLING AND STORAGE

- 7.1 Precautions for safe handling: Ensure good ventilation / exhaustion at the workplace. Prevent formation of aerosols.
- 7.2 Conditions for safe storage: Do not store together with acids or foodstuffs. Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s): No further relevant information available.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure controls: General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid direct contact with the eyes and skin.

Respiratory protection: None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134, ANSI Z88.2, or European standard EN 149 for complete regulations.

Protection of hands: Protective gloves, the glove material has to be impermeable and resistant to the product, such as neoprene, butyl or nitrile rubber gloves with cuffs.

Eye protection: Safety glasses and / or goggles with side shields.

Body protection: Protective work clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Up Va Va	Flash point: Evaporation rate: Flammability (solid, gas): Jpper / lower flammability or explosive li /apor pressure: /apor density:	e limits:	100°C ND Similar to water ND ND 17.5 mmHg
	Relative density:		ND 0.999, 25°C Soluble in water

9.2 Other information:

10% active quaternary

SECTION 10 - STABILITY AND REACTIVITY

10.1	Reactivity:	No spontaneous reactivity
10.2	Chemical stability:	Thermal decomposition possible at temperatures exceeding 600°F, no decomposition if used according to
		specifications.
10.3	Possible hazardous reaction	s: Corrosive action on metals, reacts with powdered metals, reacts strongly with acids.
10.4	Conditions to avoid:	No further relevant information available.
10.5	Incompatible materials:	Strong oxidizers and acids.
10.6	Decomposition products:	Oxides of carbon, nitrogen, chlorine.
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SECTION 11 – TOXICOLOGICAL INFORMATION

11.1	Hazardous Ingredients		CAS #	EINECS #	LD 50, species / route / concentration
	n-alkyl dimethyl benzyl ammonium chl n-alkyl dimethyl ethylbenzyl ammoniun		68391-01-5 68956-79-6	269-919-4 273-318-2	Rat, oral, 150 mg/liter Rat, oral, 150 mg/liter
11.2 11.3 11.4 11.5 11.6 11.7	Serious eye damage/irritation: Respiratory or skin sensitization: Repeated dose toxicity: STOT (single/repeated) Carcinogenicity: Mutagenicity:	No data No data No data No data	severe skin burns available available available available available	and serious eye damage.	

11.8 Reproductive toxicity:

SECTION 12 – ECOLOGICAL INFORMATION

No data available

12.1	Toxicity:	Alkyl dimethyl benzyl (or ethylbenzyl) ammonium chloride Product is extremely toxic towards aquatic environments.	LC50, Fathead minnow, 0.86 mg/liter, (96 hours)
12.2	Persistence and degradability	: Expected to be easily biodegradable based on composition.	
12.3	Bioaccumulative potential:	Not expected to exhibit this behavior based on composition.	
12.4	Soil mobility:	No specific data available.	
12.5	General information:	No data are available on the adverse effects of this material of are available. Based on the chemical composition of this pro- in an acclimatized biological waste treatment plant system in be evaluated and approved for each specific biological system	duct it is assumed that the mixture can be treated limited quantities. However, such treatment should

SECTION 13 – DISPOSAL CONSIDERATIONS

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• 13.1 Waste treatment methods: It is recommended that small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. Refer to 40 CFR 260 - 299 for complete waste disposal regulations for alkaline materials. Consult your local, state, or federal agency before disposing of any chemicals. Improper disposal of excess product is a violation of Federal Law. Triple rinse empty containers and recycle or dispose of in a sanitary landfill.
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SECTION 14 – TRANSPORTATION INFORMATION

14.1	UN number: DOT, ADR, IMDG, IATA	UN 1760
14.2	Proper shipping name: DOT, ADR, IMDG, IATA	Corrosive liquid, n.o.s (Quaternary ammonium chloride)
14.3	Transport hazard class: DOT, ADR, IMDG, IATA	Corrosive liquid 8
14.4	Packing group: DOT, ADR, IMDG, IATA	III
14.5	Environmental hazards: Marine	Yes

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 – REGULATORY INFORMATION

15.1	TSCA:	All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.
15.2	SARA TITLE III:	Not listed in 313. Listed in 311 / 312 as immediate / delayed health hazard.
15.3	CERCLA:	None
15.4	California Prop. 65:	Not listed
15.5	Right-To-Know:	Not listed.
15.6	CPR classification:	WHMIS Classification E, D2B
15.7	Canadian IDL:	Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.
15.8	Can. DSL / NDSL:	Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.
15.9	EINECS:	Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

SECTION 16 – OTHER INFORMATION

 16.1
 Risk phrases:
 R50 / 68 / 20 / 21 / 22: Harmful, possible risk of irreversible effects through inhalation, contact with skin and if swallowed. Severe eye irritant. Very toxic to aquatic organisms. Safety phrases:

 Safety phrases:
 S36 / 37 / 39: Wear protective clothing, gloves, and eye / face protection.



The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.