

S A F E T Y D A T A S H E E T



3141 Clifty Drive • Madison, IN 47250

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

NAME:

MADISAN 75

TYPE:

Quaternary Ammonium Chloride Sanitizer E.P.A. Reg. No. 10324-81-110

PRODUCT #

772901

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN

EMERGENCY RESPONSE INFORMATION:

CHEMTREC

800-424-9300

24-Hour Service

Company Offices:

812-273-6000

Weekdays

Cara Cyrus:

812-599-3611

Evenings and Weekends

Bill Torline:

812-599-4976

Evenings and Weekends

PREPARED DATE:

04-01-15

PREPARED BY:

Marjorie E. Hare

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity (Oral)

Category 4

H302

Acute Toxicity (Dermal)

Category 4

H312

Skin Corrosion/Irritation

Category 1B

H314

Serious Eye Damage/Eye Irritation

Category 1

H318

Acute Toxicity (Inhalation: mist)

Category 4

H332

Aquatic Toxicity (Acute)

Category 1

H400

Signal Word

DANGER

Symbol



Hazard Statements

H302 + H312 + H332

Harmful if swallowed, in contact with skin, or inhaled.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

Precautionary Statements

P261 Avoid breathing mist, spray, vapors.

P264 Wash hands, forearms, and exposed areas thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear eye protection, face protection, protective clothing, protective gloves.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep at 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.

P310 Immediately call a POISON CENTER or doctor / physician.

P321 Specific treatment (see Section 4).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents / container according to local, regional, national and international regulations.

SAFETY DATA SHEET

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>SYNONYM</u>	<u>CAS NO.</u>	<u>% BY WEIGHT</u>
Alkyl dimethyl benzyl ammonium chloride	None	68424-85-1	1 – 10
Octyl decyl dimethyl ammonium chloride	None	32426-11-2	1 – 10
Dioctyl dimethyl ammonium chloride	None	5538-94-3	1 – 10
Didecyl dimethyl ammonium chloride	None	7173-51-5	1 – 10

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
SKIN:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice..
INGESTION:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
INHALATION:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
PRIMARY ROUTE(S) OF ENTRY:	Eyes, skin.

MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:

EYE CONTACT:	Causes serious eye damage.
SKIN CONTACT:	Corrosive. Causes burns.
INGESTION:	Harmful if swallowed.
INHALATION:	Harmful if inhaled.
CHRONIC SYMPTOMS:	None expected under normal conditions of use.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

If you experience any of the symptoms / effects listed above seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media as appropriate for surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Not considered flammable or explosive. Hazardous reactions will not occur under normal conditions.

ADVICE FOR FIRE FIGHTERS:

Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

Hazardous Combustion Products: Hydrogen chloride fumes, oxides of carbon and ammonia

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Avoid all contact with skin, eyes and clothing. Avoid breathing. Wear nitrile, neoprene, or natural rubber gloves. Goggles and faceshield necessary. Wear suitable protective clothing. Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Flush remainder to drain with water.

SAFETY DATA SHEET

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Wear proper safety equipment when handling this product. Handle in accordance with good industrial hygiene and safety procedures.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Do not contaminate water, food or feed by storage and disposal. Store only in original container. Keep container closed when not in use. Do not reuse empty container. Do not mix with oxidizers, anionic soaps and detergent.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

<u>CHEMICAL IDENTITY</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	N.E.	N.E.
Octyl decyl dimethyl ammonium chloride	32426-11-2	N.E.	N.E.
Dioctyl dimethyl ammonium chloride	5538-94-3	N.E.	N.E.
Didecyl dimethyl ammonium chloride	7173-51-5	N.E.	N.E.

ENGINEERING CONTROLS:

As necessary to avoid inhalation and contact.

INDIVIDUAL PROTECTION MEASURES:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

RESPIRATORY PROTECTION:

In absence of proper environmental control, use NIOSH / MSHA approved respirator for dusts and mists where airborne exposure is excessive.

SKIN PROTECTION:

Impermeable type rubber gloves. Other equipment as required to avoid contact.

EYE PROTECTION:

Goggles necessary.

GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Red liquid
ODOR:	Mild
ODOR THRESHOLD:	Not available.
pH (100%):	6.8 – 7.4
MELTING POINT/FREEZING POINT	36°F (2°C)
INITIAL BOILING POINT AND BOILING RANGE	212°F (100°C)
FLASH POINT (METHOD USED)	Not available.
EVAPORATION RATE	Not available.
FLAMMABILITY (SOLID, GAS)	Not available.
UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMIT	Not available.
VAPOR PRESSURE	Not available.
VAPOR DENSITY	Not available.
SPECIFIC GRAVITY	0.99
SOLUBILITY IN WATER	Complete.
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
VISCOSITY, DYNAMIC	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VISCOSITY	Not available.

SAFETY DATA SHEET

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Hazardous reactions will not occur under normal conditions.
CHEMICAL STABILITY:	Stable under recommended handling and storage conditions (see Section 7).
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization will not occur.
CONDITIONS TO AVOID:	No data found.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents, anionic surfactants.
HAZARDOUS DECOMPOSITION PRODUCTS:	Hydrogen chloride fumes, oxides of carbon and ammonia.

SECTION 11: TOXOLOGICAL INFORMATION

ACUTE TOXICITY:	Harmful if swallowed, in contact with skin, or inhaled.
LD50 AND LC50 DATA:	Not available.
ROUTES OF EXPOSURE / SYMPTOMS	
EYES:	DANGER! Causes burns.
SKIN:	DANGER! Causes burns.
INGESTION:	WARNING! Harmful if swallowed.
INHALATION:	DANGER! Harmful if inhaled.
GERM CELL MUTAGENICITY:	Not classified.
TERATOGENICITY:	Not available.
CHRONIC EFFECTS / CARCINOGENICITY:	This material contains no ingredient above de minimus concentrations known or suspected to cause cancer.
SPECIFIC TARGET ORGAN TOXICITY (Repeated exposure):	Not classified.
REPRODUCTIVE TOXICITY:	Not classified.
SPECIFIC TARGET ORGAN TOXICITY (Single exposure):	Not classified.
ASPIRATION HAZARD:	Not classified.
COMPONENT INFORMATION:	
	LD50 Oral: 405 mg/kg
Quaternary ammonium compounds	LD50 Dermal: 750 mg/kg
	LD50 Inhalation: No data

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	Very toxic to aquatic organisms
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COMPONENT INFORMATION

Data upon request.

PERSISTENCE AND DEGRADABILITY:	Material is biodegradable.
BIOACCUMULATIVE POTENTIAL:	Not available.
MOBILITY IN SOIL:	Not available.
OTHER ADVERSE EFFECTS:	This material contains no hazardous air pollutants (HAPS).

SAFETY DATA SHEET

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Normal for wastes containing cationic surfactants. Toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a NPDES permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. Dispose in accordance with local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Disinfectants, Liquid, Corrosive, n.o.s.(contains quaternary ammonium compounds)
HAZARD CLASS: 8
IDENTIFICATION NUMBER: UN1903
PACKING GROUP: II
EMERGENCY RESPONSE GUIDE: ERG #153

SECTION 15: REGULATORY INFORMATION

VOC: 0.09 pounds per gallon (11 grams per liter).
TSCA STATUS All ingredients are listed on the TSCA inventory.
CERCLA REPORTABLE QUANTITY None established

SARA 311 / 312 HAZARD CLASSES

x	ACUTE HEALTH
	FIRE
	SUDDEN RELEASE OF PRESSURE
	CHRONIC HEALTH
	REACTIVE

SARA 312 INFORMATION

Storage of 10,000 pounds or more may require filing a Tier 2 form. Threshold planning quantity for reporting is 10,000 pounds. This material is not an extremely hazardous substance (EHS).

SARA 313 INFORMATION

This material contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

CHEMICAL NAME
NONE

CATEGORY CODE

CAS NUMBER

% BY WEIGHT

STATE REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

MSDS STATUS: Revised to GHS Standards on 04-01-15.

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

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