

MDF-500 EPA REGISTERED DISINFECTANT

GHS-Safety Data Sheet PART A

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form Trade name: Part A Liquid

: MDF-500

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

Use of the substance/mixture : Antimicrobial

1.3. Details of the supplier of the safety data sheet

Manufacturer:
SPAN-WORLD LLC
PO BOX 18155 GOLDEN, CO 80402
985-875-2471

1.4. Emergency telephone number

Emergency number : +1 800 950 9958

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Health:

Skin Irritation, Category 2

Eye Irritation, Category 1

GHS LABEL



SIGNAL WORD: WARNING, DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage

H315: Causes skin irritation

2.2. Label

elements GHS-US

labelling

No labeling applicable

2.3. Other hazards

other hazards which do not result in classification : This product contains less than 4% of cationic surfactant.

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
N-alkyl (c12-18)-n,n,-dimethyl-n-benzylammonium Chloride	(CAS No) 68391-01-5	< 4	None

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical attention.

First-aid measures after skin contact : Wash skin with plenty of water. Seek medical attention if irritation develops.

First-aid measures after eye contact : Rinse eyes with water as a precaution. Obtain medical attention if irritation

persists. First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after skin contact : May cause irritation to the skin.
Symptoms/injuries after eye contact : May cause eye irritation.

Symptoms/injuries after ingestion : May cause gastrointestinal disturbances.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

None – material is not flammable or combustible

5.2. Special hazards arising from the substance or mixture

None - The product is non-reactive.

5.3. Advice for firefighters

Protective equipment for firefighters is standard firefighting PPE.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : If spilled, may cause the floor to be slippery.

6.1.1. For non-emergency personnel

Protective equipment : Use personal protective equipment as required.
Emergency procedures : Keep upwind of the spilled material and isolate exposure. Evacuate unnecessary personnel. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Standard PPE for responding to any hazard

6.2. Environmental precautions

None.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : dilute with large volumes of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wear chemical splash face shield and chemical resistant gloves.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Store in tightly closed, leak-proof containers. Keep cool. Keep out of direct sunlight. Avoid Freezing. Avoid high temperatures.
Incompatible materials : None.
Maximum storage period : 1 year If stored indoors with no direct sunlight or wide temperature swings, storage period may be extended to 5 years

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

None

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station. Emergency eye wash fountains and safety shower should be available in the immediate vicinity of any potential exposure.

Personal protective equipment: OSHA approved respirator, chemical resistant gloves, chemical splash face shield and chemical resistant suit

Hand protection : OSHA/NIOSH approved chemical resistant gloves.

Eye protection	:	Chemical splash face guard
Skin and body protection	:	Chemical resistant suit
Respiratory protection	:	NIOSH approved full face or half mask respirator when using ULV fogger
Environmental exposure controls	:	None.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear to yellowish liquid
Colour	:	Colourless to yellowish
Odour	:	slight sweet odor
Odour threshold	:	No data available
pH	:	10-12
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	214 °F (<101C)
Flash point	:	Non combustible
Relative evaporation rate (butyl acetate=1)	:	< 1 (butyl acetate=1) : None
Flammability (solid, gas)	:	
Explosive limits	:	None
Explosive properties	:	None
Oxidising properties	:	None
Vapour pressure	:	No data available
Relative density	:	No data available
Relative vapour density at 20 °C	:	< 1
Specific Gravity	:	(water =1) 1.11 @ 20C/4C
Solubility	:	Water: Soluble
Log Pow	:	No data available
Log Kow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	Not data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under

10.2. Chemical stability

Hazardous polymerization will not occur.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

None of the listed components of this product are listed as carcinogens, suspected carcinogens or reproductive hazards.

SECTION 12: Ecological information

12.1. Toxicity

According to a study by the Marine Biotechnology Institute, Kamaishi Japan published in June 5001 by Elsevier Scientific Publishing, when microorganisms are exposed to similar formulas they enhance the effectiveness of bioremediation and are ecologically safe.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Non hazardous waste. An acceptable method of disposal is to dilute with a large amount of water and allow the material to decompose followed by discharge into a suitable treatment system in accordance with NPDES standards. Dispose of contents/container in accordance with local regulations.

SECTION 14: Transport information

DOT (Department of Transportation

PROPER SHIPPING NAME: Not Regulated

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated

OTHER SHIPPING INFORMATION None available

SECTION 15: Regulatory information

15.1. US Federal regulations

None

15.2. International regulations

CANADA: None

EU-Regulations: None

SECTION 16: Other information

According to HMIS it is 1 (one) for health. 0 (zero) for flammability and physical hazard, however under PPE it is classified with an 'C'

GHS SDS US (GHS HazCom 2012) This safety data sheet was prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product