



# SPAN-WORLD Distribution

17351 Hard Hat Dr.  
Flex Space B, Unit 18  
Covington, LA 70435  
[www.deconsolutions.com](http://www.deconsolutions.com)  
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## MDF 500®

Section 1 – Identification  
MDF-500 Part A

Section 2 – Hazard(s) Identification  
Antimicrobial agent, colorless, sweet smelling liquid

Section 3 - Composition/information on ingredients  
This is a proprietary formula and does not contain any hazardous materials. The active ingredient is a cationic surfactant.

Section 4 - First-aid measures  
Eyes – flush with water for at least 15 minutes. If irritation occurs seek medical attention.  
Skin – wash with soap and water. If irritation occurs seek medical attention.  
Ingestion – rinse mouth with water, dilute with 2 glasses of water, do not induce vomiting, seek medical attention immediately.  
Inhalation – remove to fresh air. If breathing is difficult seek medical attention.

Section 5 - Fire-fighting measures  
None – material is not flammable or combustible.

Section 6 - Accidental release measures  
Dilute with large volumes of water.

Section 7 - Handling and storage  
Wear chemical splash face shield and neoprene gloves. Store in plastic drums.

Section 8 - Exposure controls/personal protection  
No exposure limits have been established.

Section 9 - Physical and chemical properties  
ODOR: Has a sweet odor  
APPEARANCE: Clear, colorless liquid  
AUTOIGNITION TEMPERATURE: Non-combustible  
BOILING POINT: >101°C (214°F)  
COEFFICIENT OF OIL / WATER: Not available  
DENSITY / WEIGHT PER VOLUME: Not available  
EVAPORATION RATE: Above 1 (Butyl Acetate = 1)  
FLASH POINT: Non-combustible  
ODOR THRESHOLD: Not available  
OXIDIZING PROPERTIES: Not applicable



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## MDF 500®

PERCENT VOLATILE: 0%  
pH: (as is) approx. between 7 and 9  
SOLUBILITY IN WATER: (in H<sub>2</sub>O % by wt) 100%  
SPECIFIC GRAVITY: (H<sub>2</sub>O = 1): 1.01 @ 20°C/4°C  
VAPOR DENSITY: (Air = 1): Not available  
VAPOR PRESSURE: Not available

Section 10 - Stability and reactivity  
Material is stable and non-reactive

Section 11 - Toxicological information  
EYE: Minimally irritating (rabbit)  
SKIN EFFECTS: none  
DERMAL LD50: none  
ORAL LD50: none  
INHALATION LC50: none  
ACUTE EFFECTS OVEREXPOSURE: Minimally irritating to eyes, skin, nose, throat, lungs.  
CHRONIC EFFECTS OVEREXPOSURE: none  
CARCINOGENICITY: none

Section 12 - Ecological information  
According to a study by the Marine Biotechnology Institute, Kamaishi Japan published in June 2001 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  
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.

Section 14 - Transport information  
No DOT hazard placard is required.

Section 15 - Regulatory information  
This material is not listed under SARA, CERCLA or TSCA.  
According to HMIS it is 0 (zero) for health, flammability and physical hazard, however PPE is recommended which means safety goggles, gloves and an apron.

Section 16 - Other information  
This material safety data sheet was prepared in accordance with OSHA 29 CFR 1910.1200 (g).



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