SPAN-WORLD Distribution

17351 Hard Hat Dr.
Flex Space B, Unit 18
Covington, LA 70435
www.deconsolutions.com
(0) 800-950-9958
Brian Carley
(C) 612-280-3085
brian.carley@deconsolutions.com
brian.carley.5 Skype

MDF 500®

Section 1 – Identification
MDF-500 part B

Section 2 – Hazard(s) Identification
Weak oxidizing agent, colorless, odorless liquid

Section 3 - Composition/information on ingredients
Hydrogen Peroxide, CAS# 7722-84-1, between 3 and 7 % in water.

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
Hydrogen Peroxide – ACGIH TWA is 1 ppm, OSHA PEL is 1 ppm.

Section 9 - Physical and chemical properties
ODOR: Odorless
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
PERCENT VOLATILE: 100%

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pH: (as is) approx. between 2.5 and 4.5
SOLUBILITY IN WATER: (in H2O % by wt) 100%
SPECIFIC GRAVITY: (H2O = 1): 1.01 @ 20°C/4°C
VAPOR DENSITY: (Air = 1): Not available
VAPOR PRESSURE: 31 mm Hg @ 30 °C (86 °F)

Section 10 - Stability and reactivity

Material is stable and non-reactive

Section 11 - Toxicological information (all related to Hydrogen Peroxide at <8%)

EYE: Minimally irritating (rabbit) [FMC Study #I86-0949]
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: The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans.
CARCINOGENICITY: none

Section 12 - Ecological information

Hydrogen peroxide in the aquatic environment is subject to various reduction or oxidation processes and decomposes into water and oxygen. Degrades in the atmosphere within the light spectrum with hydroxyl radicals in the gas phase and subsequent photolysis.

Section 13 - Disposal considerations

An acceptable method of disposal is to dilute with a large amount of water and allow the hydrogen peroxide 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 at <8% concentration is not listed under SARA, CERCLA or TSCA.

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According to HMIS it is 0 (zero) for health, flammability and physical hazard, however under PPE it is classified with an 'H' which means safety goggle, gloves and apron is recommended for handling.

Section 16 - Other information

For questions please contact Dr. Mitch Fadem – dr.mitch.fadem@deconsolutions.com

This material safety data sheet was prepared in accordance with OSHA 29 CFR 1910.1200 (g).