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SECTION VII – HANDLING AND STORAGE

SAFE HANDLING RECOMMENDATIONS

VENTILATION: General ventilation should be sufficient under normal conditions.

FIRE PREVENTION: Non-flammable, no special fire protection required.

SPECIAL HANDLING REQUIREMENTS: Avoid eye contact.

SAFE STORAGE RECOMMENDATIONS

CONTAINMENT: The container should be kept covered to prevent contamination.

STORAGE ROOM RECOMMENDATIONS: Store in a cool, dry, well-ventilated area away from direct heat.

INCOMPATIBLE MATERIALS: Strong oxidizing material and strong bases.

STORAGE CONDITIONS: 10-5 degrees C is recommended. Shelf life is indefinite but viscosity will decrease over time.

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SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation should be sufficient under normal conditions.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

AIRBORNE EXPOSURE LIMITS: None established.

RESPIRATORY PROTECTION: Respirator use is not required for this product. A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE GLOVES: For operations where hand contact can occur, rubber gloves recommended.

SKIN PROTECTION: For operations where skin contact can occur, wear impervious clothing such as apron, boots or whole bodysuit.

EYE PROTECTION: Safety glasses recommended.

GOOD HYGIENE/WORK PRACTICES: Always follow good hygiene/work practices by avoiding vapors or mists and contact with eyes and skin. Thoroughly wash hands after handling and before eating or drinking. Always wear the appropriate PPE when repairing or performing maintenance on contaminated equipment.

EXPOSURE GUIDELINES: Permissible exposure limits: OSHA, WISHA, ACGIH: N/A

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light blue liquid .

ODOR: vinegar

PHYSICAL STATE: Liquid

pH (1% solution): 4.5-6.0

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

BOILING POINT: 211 F

MELTING POINT: N/A

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.0-1.1 g/ml

SECTION X – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Freezing temperatures or excess heat (for quality purposes)

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizing material and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition will not occur.

HAZARDOUS POLYMERIZATION: N/A

SECTION XI – TOXICOLOGICAL INFORMATION

EYE EFFECTS: N/A

SKIN EFFECTS: N/A

ACUTE ORAL EFFECTS: LD50 (rat) – N/A

ACUTE DERMAL: LC50 (rat) – N/A

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SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY (in water):

ACUTE:	Daphnia LC50 – 1369mg/l	NOEC – 1000mg/l
	Fathead minnows LC50 – 642 mg/l	NOEC – 500mg/l
	Rainbow Trout LC50 – 173 mg/l	NOEC – 125 mg/l

CHRONIC:	Rainbow Trout LC50 – 154 mg/l	LC25 – 121 mg/l
	Fathead Minnow LC50 >1000mg/l	LC25 – 932 mg/l

MOBILITY: N/A

PERSISTENCE AND DEGRADABILITY: N/A

BIOACCUMULATION: N/A

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SECTION XIII - DISPOSAL CONSIDERATIONS

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

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SECTION XIV – TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not Regulated

SECTION XV – REGULATORY INFORMATION

TSCA STATUS: The substances in this preparation are included on or exempted from the TSCA 8(b) inventory (40 CFR 710)

CERCLA REPORTABLE QUANTITY: None

RCRA: Not a hazardous material or a hazardous waste by listing or characteristic.

SARA TITLE III: Section 302, Extremely Hazardous Substances: None;

Section 311/312, Hazardous Categories: Non-Hazardous;

Section 313, Toxic Chemicals: None

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The information herein is given in good faith but no warranty, expressed or implied, is made.

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