

WAVE ENERGY SYSTEMS INC. -- 0104 WAVICIDE-01 -- 6840-01-164-3159

===== Product Identification =====

Product ID:0104 WAVICIDE-01

MSDS Date:06/27/1994

FSC:6840

NIIN:01-164-3159

MSDS Number: BYPCD

=== Responsible Party ===

Company Name:WAVE ENERGY SYSTEMS INC.

Address:25 MANSARD COURT

City:WAYNE

State:NJ

ZIP:07470-5000

Country:US

Info Phone Num:800-252-1125/201-633/1012

Emergency Phone Num:800-252-11

25/201-633-1012

CAGE:8G992

=== Contractor Identification ===

Company Name:WAVE ENERGY SYSTEMS, INC.

Address:216 LITTLE FALLS ROAD

Box:City:CEDAR GROVE

State:NJ

ZIP:07009

Phone:(201) 857-1125

CAGE:8G992

===== Composition/Information on Ingredients =====

Ingred Name:GLUTARALDEHYDE

CAS:111-30-8

RTECS #:MA2450000

Fraction by Wt: 2.5%

Other REC Limits:0.2 PPM

OSHA PEL:0.2 PPM

ACGIH TLV:0.2 PPM

===== Hazards Identification =====

Routes of Entry:

Inhalation: YES Skin: YES Ingestion: YES  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO  
Health Hazards Acute and Chronic: INGESTION: MAY CAUSE GENERAL SYSTEMIC ILLNESS. EYES: CONTACT W/ LIQUID CAUSES IRRITATION. SKIN: POSSIBILITY OF SENSITIZATION EXISTS. FULL STRENGTH SOLUTION MAY CAUSE YELLOWING OF SKIN.  
Explanation of Carcinogenicity: NONE  
Effects of Overexposure: NAUSEA, VOMITING, IRRITATION, NASAL DISCOMFORT.

===== First Aid Measures =====

First Aid: INGESTION: DON'T GIVE WATER. DON'T INDUCE VOMITING. EYES: FLUSH W/ PLENTY OF WATER. SKIN: FLUSH THOROUGHLY W/ WATER. INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES.

===== Fire Fighting Measures =====

Flash Point: NONE  
Extinguishing Media: CO2, FOAM, DRY CHEMICAL  
Fire Fighting Procedures: USE SCBA & PROTECTIVE CLOTHING SHOULD BE WORN WHEN FIGHTING CHEMICAL FIRES.

===== Accidental Release Measures =====

Spill Release Procedures: FLUSH HEAVILY W/ WATER. VENTILATION IS RECOMMENDED.

===== Handling and Storage =====

Handling and Storage Precautions: STORE AT ROOM TEMP, PREFERABLY IN A COOL PLACE.  
Other Precautions: AVOID CONTACT W/ EYES, PROLONGED & REPEATED CONTACT W/ SKIN & CONTAMINATION OF FOOD. AVOID INHALATION.

===== Exposure Controls/Personal Protection =====

Respiratory Protection: NOT GENERALLY REQUIRED, BUT IN A CONFINED/POORLY VENTILATED AREA THE USE OF NIOSH APPROVED RESPIRATORY MAY BE REQUIRED.  
Ventilation: LOCAL EXHAUST SYSTEM AS NEEDED TO AVOID EXPOSURE TO VAPORS.  
Protective Gloves: RECOMMENDED  
Eye Protection: SAFETY GLASSES/ SPLASH GOGGLES/ FACESHIELD  
Work Hygienic Practices: REMOVE/ LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health  
THE TLV & OSHA PEL FOR THE PRODUCT IS 0.2 PPMV.

===== Physical/Chemical Properties =====

HCC: T5  
Boiling Pt

:B.P. Text:212F  
Vapor Pres:16.9  
Vapor Density:0.64  
Spec Gravity:1.005-1.013  
pH:6.3  
Evaporation Rate & Reference:(BU AC = 1): 0.81  
Solubility in Water:COMPLETE  
Appearance and Odor:A CLEAR, SLIGHTLY YELLOWISH LIQUID W/TYPICAL  
ALDEHYDE ODOR & ADDED LEMON SCENT

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
ALKALIES CATALYZE AN ALDO-TYPE CONDENSATION (EXOTHERMIC BUT NOT  
EXPECTED TO BE VIOLENT).  
Stability Condition to Avoid  
:HIGH TEMPS (REMOVAL OF WATER, 200F).  
Hazardous Decomposition Products:THERMAL: CO<sub>2</sub>, CO

===== Disposal Considerations =====

Waste Disposal Methods:WASTES RESULTING FROM THE USE OF THIS PRODUCT  
MAY BE DISPOSED OF ON SITE/AT AN APPROVED WASTE DISPOSAL FACILITY  
IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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