

WAVE ENERGY SYSTEMS INC -- 0140 WAVICIDE-01 (2% GLUTARALDEHYDE SOLN) HAL-HEN
CAT#3248 -- 6840-01-164-3159

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Product Identification
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Product ID:0140 WAVICIDE-01 (2% GLUTARALDEHYDE SOLN) HAL-HEN CAT#3248

MSDS Date:06/27/1994

FSC:6840

NIIN:01-164-3159

MSDS Number: CDKQK

=== Responsible Party ===

Company Name:WAVE ENERGY SYSTEMS INC

Address:25 MANSARD CT

City:WAYNE

State:NJ

ZIP:07470-5000

Country:US

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

Emergency Phone

Num:800-962-1253

CAGE:51365

=== Contractor Identification ===

Company Name:WAVE ENERGY SYSTEMS, INC.

CAGE:51365

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Composition/Information on Ingredients
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Ingred Name:GLUTARALDEHYDE

CAS:111-30-8

RTECS #:MA2450000

Fraction by Wt: 2.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 0.2 PPM

ACGIH TLV:C 0.2 PPM; 9596

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Hazards Identification
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LD50 LC50 Mixture:TLV: 0.2PPMV

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:THIS MIXTURE HAS NOT BEEN TESTED AS

WHOLE.INGEST:MAY CAUSE NAU,VOMIT,GENERAL SYSTEMIC

ILLNESS.EYES:CONTACT W/LIQ CAUSES IRRIT.SKIN:AVOID PROL/REP COTNACT

W/SKIN AS POSSIBLITY OF SENS EXISTS.FULL STREN GTH SOLN MAY CAUSE

SKIN TO YELLOW.INHAL:VAP FROM FULL STRENGTH SOLN MAY CAUSE NASAL

DISCOMFORT.

Explanation of Carcinogenicity:PER MSDS:MIXUTRE CONTAINS NO HAZ INGREGS

LISTED AS CARCINOGEN

S/POT CARCINOGENS BY EITHER NTP/IARC/OSHA.

Effects of Overexposure:NAUSEA,VOMITING,GENERAL SYSTEMIC ILLNESS.EYE IRRIT,SKIN SENSITIZATION,YELLOW SKIN,NASAL DISCOMFORT.

Medical Cond Aggravated by Exposure:SEE HEALTH HAZARDS.

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

First Aid:INGEST:DO NOT GIVE WATER.DO NOT INDUCE VOMITING.CALL PHYSICIAN.EYE:FLUSH W/PLENTY OF WATER.SEEK MED AID.SKIN:FLUSH THOROUGHLY W/WATER & REMOVE CONTAMIN CLOTH.INHAL:IRRIT DEVELOPS R
EMOVE TO FRESH AIR.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:NP

Upper Limits:NP

Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING SHOULD BE WORN WHEN FIGHTING CHEMICAL FIRES.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

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

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:THIS PRODUCT SHOULD BE STORED @ROOM TEMPERATURE,PREFERABLY IN COOL PLACE.

Other Precautions:AVOID CONTACT W/EYES,PROLONGED/REPEATED CONTACT W/SKIN & CONTAMINATION OF FOOD.

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

Respiratory Pr

Protection:NOT GENERALLY REQUIRED BUT IN CONFINED OR POORLY VENTILATED AREA USE OF NIOSH APPROVED RESPIRATOR MAY BE REQUIRED.
Ventilation:LOCAL EXHAUST SYSTEM MEETING ACGIH CRITERIA AS NEEDED TO AVOID EXPO TO VAPORS.
Protective Gloves:PROTECTIVE GLOVES RECOMMENDED.
Eye Protection:SAF GLASSES,SPLASH GOGG OR FACE SHIELD.
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:AVOID INHAL & CONTACT W/SKIN/EYES.
Supplemental Safety and Health

===== Phy
sical/Chemical Properties =====

HCC:N1
Boiling Pt:B.P. Text:212F,100C
Melt/Freeze Pt:M.P/F.P Text:NA
Decomp Temp:Decomp Text:NP
Vapor Pres:16.9
Vapor Density:0.64
Spec Gravity:1.005-1.013
pH:6.30
Viscosity:NP
Evaporation Rate & Reference:0.81, BUTYL ACETATE=1.
Solubility in Water:COMPLETE.
Appearance and Odor:CLEAR,SLIGHTLY YELLOWISH LIQUID WITH TYPICAL ALDEHYDE ODOR & ADDED LEMON SCENT.
Percent Volatiles by Volume:NP
Corrosion Rate:NP

===== Stability and Rea
ctivity Data =====

Stability Indicator/Materials to Avoid:YES
ALKALIES CATALYZE & ALDO-TYPE CONDENSATION.
Stability Condition to Avoid:HIGH TEMPS(REMOVAL OF WATER 200F).ALKALIES CATALIZED & ALDO-TYPE CONDENSATION(EXO BUT NOT EXPECTED TO BE VIOLENT).
Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE.

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

Waste Disposal Methods:WASTES RESULTING FROM USE OF PR

OD MAY BE DISPO
OF ON SITE OR AT APPROVED WASTE DISPO FACILITY.

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