

MSDS Safety Information

FSC: 6630
NIIN: 01-293-4324
MSDS Date: 11/01/1995
MSDS Num: CJJKV
Product ID: VESSEL SOLUTION - PYRIDINE FREE, 27-910-05
MFN: 04
Kit Part: Y
Responsible Party
Cage: 47125
Name: SERADYN INC - PHOTOVOLT INSTRUMENTS
Address: 1200 MADISON AVE
City: INDIANAPOLIS IN 46225
Info Phone Number: 800-428-4007
Emergency Phone Number: 800-424-9300(CHEMTREC)
Resp. Party Other MSDS No.: 0130552
Chemtrec IND/Phone: (800)424-9300
Proprietary Ind: Y
Review Ind: Y
Published: Y

Contractor Summary

Cage: NO373
Name: SERADYN
Address: 1200 MADISON AVE
City: INDIANAPOLIS IN 46225
Phone: 800-428-4007
Cage: 47125
Name: SERADYN INC - PHOTOVOLT INSTRUMENTS
Address: 1200 MADISON AVE
City: INDIANAPOLIS IN 46225
Phone: 800-428-4007

Item Description Information

Item Manager: FLZ
Item Name: TITRATOR
Unit of Issue: EA
UI Container Qty: 1

Ingredients

Name: *** PROPRIETARY ***

Health

h Hazards Data

LD50 LC50 Mixture: NO DATA.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: NO

Effects of Exposure: ACUTE: INGESTION: MAY CAUSE GASTROINTESTINAL DISTURBANCE, DIZZINESS, UNCONSCIOUSNESS, BLINDNESS, AND DEATH. SKIN: CAUSES IRRITATION. EYE: CAUSES IRRITATION, POSSIBLE BLINDNESS. CHRONIC: PRODUCT CONTAINS CHLOROFORM, AN ANIMAL CARCINOGEN. EYES: BLINDNESS. SKIN:

DRY AND CRACKED

SKIN. INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION, KIDNEY AND LIVER DAMAGE.

Explanation Of Carcinogenicity: CHLOROFORM: IARC MONOGRAPHS, SUPPLEMENT, VOLUME 7, PAGE 152, 1987: GROUP 2B. NTP 8TH ANNUAL REPORT ON CARCINOGENS, 1998:

REASONABLY ANTICIPATED TO BE HUMAN CARCINOGEN. ANIMAL: LIVER/KIDNEY TUMORS, CENTRAL NERVOUS SYSTEM EFFECTS.

Signs And Symptoms Of Overexposure: SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure: DISEASES OF THE EYES, LIVER, KIDNEYS, AND

SKIN.

First Aid: INGESTION: CALL POISON CONTROL CENTER FOR ASSISTANCE. EYES/SKIN:

IMMEDIATELY AND CONTINUOUSLY FLUSH WITH FLOWING WATER FOR AT LEAST 15

MINUTES. FOR EXPOSURE INVOLVING A SIGNIFICANT QUANTITY OF MATERIAL, CONTACT

A PHYSICIAN AS SOON AS POSSIBLE. INHALATION: REMOVE TO FRESH AIR. SUPPORT

BREATHING (GIVE OXYGEN OR ARTIFICIAL RESPIRATION) (FP N).

Handling and Disposal

Spill Release Procedures: WEARING FULL PROTECTIVE EQUIPMENT, COVER SPILL WITH DRY SAND OR VERMICULITE. MIX WELL AND TRANSFER TO A CONTAINER.

Waste Disposal Methods: CONSULT STATE, LOCAL OR FEDERAL EPA REGULATIONS FOR PROPER DISPOSAL. RCRA CODE: D001. TSCA REGISTERED: YES, AS SEPARATE COMPONENTS.

Handling And Storage Precautions: KEEP CONTAINERS TIGHTLY CLOSED. STORE IN STANDARD FLAMMABLE LIQUID STORAGE CABINET.

Other Precautions: DANGER: FLAMMABLE, IRRITATES SKIN AND EYES.

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Fire and Explosion Hazard Information

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Flash Point Method: CC

Flash Point: =10.6C, 51.F

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER.

Fire Fighting Procedures: WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard: VESSEL SOLUTION IS VERY FLAMMABLE. FUMES ARE HAZARDOUS.

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Control Measures

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Respiratory Protection: NIOSH APPROVED HIGH EFFICIENCY ORGANIC VAPOR RESPIRATOR.

Ventilation: LABORATORY FUME HOOD.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N). WEAR IMPERVIOUS CLOTHING, INCLUDING BOOTS, LAB COAT, APRON OR COVERALLS TO PREVENT SKIN CONTACT.

Work Hygienic P

ractices: WASH THOROUGHLY AFTER USE.

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Physical/Chemical Properties

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B.P. Text: SEE INGREDIENTS

M.P/F.P Text: SEE INGREDIENTS

Vapor Pres: SEE INGREDIENTS

Vapor Density: SEE INGS

Spec Gravity: SEE INGREDIENTS

Solubility in Water: SEE INGREDIENTS

Appearance and Odor: LIQUID WITH PUNGENT ODOR.

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Reactivity Data

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Stability Indicator: YES

Stability Condition To Avoid: INCOMPATIBLES.

Materials To Avoid: OXIDIZING AGENTS, PERCHLORIC ACID, METALS, CHLORATES, CARBIDES, SODIUM HYDROXIDE.

Hazardous Decomposition Products: CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

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Toxicological Information

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Ecological

Information

MSDS Transport Information

Transport Information: PER 49 CFR 172. SHIPPING DESCRIPTION: FLAMMABLE LIQUIDS, N.O.S. (METHANOL). UN 1993, LTD. QTY.

Regulatory Information

Sara Title III Information: METHANO L, CHLOROFORM.

Other Information

Other Information: RATINGS: HEALTH: 1; FLAMMABILITY: 4; REACTIVITY: 0; PERSONAL PROTECTION: X.

Transportation Information

Responsible Party Cage: 47125
Trans ID NO: 148040
Product ID: VESSEL SOLUTION - PYRIDINE FREE, 27-910-05
MSDS Prepare
d Date: 11/01/1995
Review Date: 09/08/1999
MFN: 4
Multiple KIT Number: 0
Kit Part IND: Y
Unit Of Issue: EA
Container QTY: 1

Detail DOT Information

DOT PSN Code: GJJ
Symbols: G
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
Hazard Class: 3
UN ID Num: UN1993
DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: T8,T31
Non Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5L

Max Qty Cargo: 60 L
Vessel Stow Req: B

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Detail IMO Information

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IMO PSN Code: HIN
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o
IMDG Page Number: 3230
UN Number: 1993
UN Hazard Class: 3.2
IMO Packaging Group: I/II
Subsidiary Risk Label: -
EMS Number: 3-07
MED First Aid Guide NUM: T

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Detail IATA Information

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IATA PSN BV
IATA UN ID Num: 1993
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 305
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 307

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Detail AFI Information

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AFI PSN BV
AFI Symbols: *
AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Hazard Class: 3
AFI UN ID NUM: UN1993
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3

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HAZCOM Label

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Product ID: VESSEL SOLUTION - PYRIDINE FREE, 27-910-05
Cage: 47125
Company Name: SERADYN INC - PHOTOVOLT INSTRUMENTS
Street: 1200 MADISON AVE
City: INDIANAPOLIS IN
Zipcode: 46225
Health Emergency Phone: 800-424-9300(CHEMTREC)
Label Required IND: Y
Date Of Label

Review: 05/10/1999
Status Code: A
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: Severe
Reactivity Hazard: None

Hazard And Precautions: FLAMMABLE. ACUTE: INGESTION: MAY CAUSE GASTROINTESTINAL DISTURBANCE, DIZZINESS, UNCONSCIOUSNESS, BLINDNESS, AND DEATH. SKIN: CAUSES IRRITATION. EYE: CAUSES IRRITATION, POSSIBLE BLINDNESS. CHRONIC: CAN
CER
HAZARD. CONTAINS MATERIAL WHICH IS LISTED AS AN ANIMAL LIVER CARCINOGEN (FP N). PRODUCT CONTAINS CHLOROFORM, AN ANIMAL CARCINOGEN. EYES: BLINDNESS. SKIN: DRY AND CRACKED SKIN. INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION, KIDNEY AND LIVER DAMAGE.

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