Material Safety Data Sheet

Name: DE-SOLV-IT CITRUS SOLUTION  
Company: ORANGE-SOL HOUSEHOLD PRODUCTS

MSDS Date: 08/30/1991  
MSDS Num: CRRKv  
Product ID: DE-SOLV-IT CITRUS SOLUTION

Health Hazards Data

LD50 LC50 Mixture: ORAL LD50 (RAT): ANDGT;17,750 MG/KG (16 ML/KG)
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: VAPOR INHALATION: NOT CONSIDERED A HAZARD. EYE: CONTACT IS NOT IRRITATING. SKIN: ORDINARY CONTACT WITH NORMAL INDIVIDUALS IS NOT CONSIDERED HAZARDOUS. INGESTION: IF SWALLOWED, MAY CAUSE LAXATIVE EFFECT. NOT CONSIDERED HAZARDOUS. CHRONIC: EYE/SKIN/INGESTION: NONE KNOWN. VAPOR INHALATION: NOT CONSIDERED HAZARDOUS.

Signs And Symptoms Of Overexposure: NONE KNOWN IN NORMAL INDIVIDUALS.

Medical Cond Aggravated By Exposure: CONTACT MAY AGGRAVATE DERMITIS IN SENSITIVE INDIVIDUALS.

First Aid: EYE: FLUSH WITH WATER FOR 15 MINUTES. SKIN: FLUSH SKIN WITH WATER AND REMOVE SOILED CLOTHING AND SHOES. WASH CONTAMINATED SKIN WITH MILD SOAP AND WATER. INGESTION: IN CASE OF INGESTION, DO NOT INDUCE VOMITING. MAY BE HARMFUL OR FATAL IF ASPIRATED INTO THE LUNGS. IF THE LIQUID IS ASPIRATED INTO THE LUNGS, GET IMMEDIATE MEDICAL HELP. INHALATION: NOR SPECIAL REQUIREMENTS.

Handling and Disposal

Spill Release Procedures: WIPE UP AND PLACE IN WASTE CONTAINER.

Waste Disposal Methods: THE PRODUCT IS BIODEGRADABLE. DISPOSE LIQUID WASTES IN THE DRAIN OR WIPE UP AND DISPOSE IN A WASTE CONTAINER ACCORDING TO APPROVED METHODS.

Handling And Storage Precautions: KEEP AWAY FROM OPEN FLAME OR OTHER IGNITION SOURCES. KEEP OUT OF REACH OF CHILDREN.

Fire and Explosion Hazard Information

Flash Point Method: COC
Flash Point: =96.1C, 205.F
Autoignition Temp: =357.2C, 675.F
Lower Limits: 18
Extinguishing Media: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM
Fire Fighting Procedures: DO NOT USE IN STREAMS OF WATER. THIS MAY CAUSE BURNING LIQUID TO SPREAD. USE SELF-CONTAINED BREATHING EQUIPMENT IN ANY CLOSED AREA.
Unusual Fire/Explosion Hazard: MAY PRODUCE DENSE, BLACK SMOKE. STAY UPWIND OF A FIRE.

Control Measures

Respiratory Protection: NO SPECIAL REQUIREMENTS.
Ventilation: ADEQUATE GENERAL VENTILATION. OTHERWISE NO SPECIAL CONTROLS.
Protective Gloves: NITRILE GLOVES FOR SENSITIVE PERSONS
Eye Protection: NOT REQUIRED.
Work Hygienic Practices: DO NOT INGEST.

Physical/Chemical Properties

HCC: F3
Boiling Point: =213.3C, 416.F
Melt/Freeze Pct: =-51.1C, -60.F
Vapor Pres: 0.15 BSI
Vapor Density: 4.9
Spec Gravity: 0.799
Viscosity: 1.73 CPS
Evaporation Rate AND Reference: 0.06 (BUAC=1)
Solubility in Water: NEGLIGIBLE
Appearance and Odor: A CLEAR COLORLESS LIQUID WITH CITRUS ODOR.

Reactivity Data

Stability Indicator: YES
Materials To Avoid: STRONG OXIDIZING AGENTS
Hazardous Decomposition Products: CARBON DIOXIDE AND/OR CARBON MONOXIDE
Hazardous Polymerization Indicator: NO

Toxicological Information

Toxicological Information: TOXICITY TESTS: ALL TEST DATA ARE AVAILABLE ON REQUEST. TEST: ORAL: LD50 GREATERTHAN 17,750 MG/KG (ANDGT;16 ML/KG).
INHALATION: NO TOXIC MANIFESTATIONS. DRAIZE EYE IRRITATION: SCORE 0.00. PRIMARY SKIN IRRITATION: IRRITATION INDEX, 0.1 (LOW). MUSCLE TISSUE: NO DELETERIOUS EFFECTS. IRITIANTY OF PRODUCT: LOW PRIMARY SKIN IRRITATION. NO EYE OR INHALATION EFFECTS.

Ecological Information

Ecological: FUNDULUS HETEROCITIUS, LC50, 4 DAYS=2000 PPM.

MSDS Transport Information

Transport Information: DOT LABELLING: THE COMBUSTIBLE LIQUID, N.O.S. LABEL IS EXEMPT IN CONTAINERS UNDER 110 GALLONS. REGULATION 49 CFR 172.103A. PROPER SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S. HAZARD CLASS: COMBUSTIBLE. I DENTIFICATION NUMBER: NA 1993; UN 1A1/2.301/1.03/91; USA/M4826/.921/1.09MM.

Regulatory Information

Sara Title III Information: SARA TITLE III SUPERFUND: THE PRODUCT IN ITS
Purchased form is not regulated under the SARA Hazard Categories as per the
EPA "Hazard Categories" under section 311 and 312 of the Superfund Amendment
and Reauthorization Act of 1986 (SARA Title III).
Federal Regulatory Information: RCRA CHARACTERISTICS: WASTE CLASSIFICATION:
Product has been evaluated for RCRA characteristics and does not meet
criteria of a waste if discarded in its purchased form. CERCLA, State and
Local Planning (Reportable Quantities): NOT REQUIRED. OSHA COMPLIANCE: MSDS
Prepared in accordance with 29CFR 1910.1200 to comply with the OSHA Hazard
Communication Standard.
State Regulatory Information: PENNSYLVANIA: NO HAZARDOUS COMPONENTS.
MASSACHUSETTS: NOT REGULATED. NEW JERSEY: NO HAZARDOUS COMPONENTS.
CALIFORNIA: NOT REGULATED.

Other Information

Other Information: EMERGENCY OVERVIEW: ACUTE AND PROLONGED EXPOSURE MAY CAUSE
DERMATITIS IN A SENSITIVE INDIVIDUAL.

Transportation Information

Responsible Party Cage: TO871
Trans ID NO: 154195
Product ID: DE-SOLV-IT CITRUS SOLUTION
MSDS Prepared Date: 08/30/1991
Review Date: 07/25/2000
MNF: 1
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: CY
Type Of Container: CYLINDER

Detail DOT Information

DOT PSN Code: ZZ2
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail IMO Information

IMO PSN Code: ZZ2
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

Detail IATA Information

IATA PSN Code: ZZ2
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail AFI Information

AFI PSN Code: ZZ2
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

HAZCOM Label

Product ID: DE-SOLV-IT CITRUS SOLUTION
Cage: TO871
Assigned IND: Y
Company Name: ORANGE-SOL HOUSEHOLD PRODUCTS INC
Street: 955 N. FIESTA BLVD., SUITE #1
City: GILBERT AZ
Zipcode: 85233
Health Emergency Phone: 602-497-8822 (8-4PM MST)
Label Required IND: Y
Date Of Label Review: 07/25/2000
Status Code: A
Origination Code: F
Eye Protection IND: NO
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: NO
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: Slight
Reactivity Hazard: None

Hazard And Precautions: VAPOR INHALATION: NOT CONSIDERED A HAZARD. EYE: CONTACT IS NOT IRRITATING. SKIN: ORDINARY CONTACT WITH NORMAL INDIVIDUALS IS NOT CONSIDERED HAZARDOUS. INGESTION: IF SWALLOWED, MAY CAUSE LAXATIVE EFFECT. NOT CONSIDERED HAZARDOUS. CHRONIC: EYE/SKIN/INGESTION: NONE KNOWN. VAPOR INHALATION: NOT CONSIDERED HAZARDOUS.

Disclaimer

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2/22/2005