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DINOL U.S., INC. -- DINITROL AV 30 AEROSOL -- 6850-01-458-3778

Product ID:DINITROL AV 30 AEROSOL

MSDS Date:11/02/1997

FSC:6850

NIIN:01-458-3778

MSDS Number: CKMJD === Responsible Party ===

Company Name: DINOL U.S., INC. Address: 14826 NE 95TH STREET

City:REDMOND

State:WA ZIP:98052 Country:US

Info Phone Num:425-556-5114

Emergency Phone Num:020-996000(ERC# IN SWEDEN

)

Resp. Party Other MSDS Num.: IN-HOUSE NO:269E

Preparer's Name: LENA ALMESTRAND

CAGE:0L040

=== Contractor Identification ===

Company Name: DINOL INTERNATIONAL AB

Address:S-281 22

Box:149

City:HASSLEHOLM, SWEDEN

Phone:+46 451 88-000/425-556-5114 (USA)

CAGE:S5611

Company Name: DINOL U.S., INC. Address: 14826 NE 95TH STREET

Box:City:REDMOND

State:WA ZIP:98052 Country:US

Phone:425-556-5114/800-331-4304 Contract Num:SO0450-00-M-SC56

CAGE:0L040

Company Name: DINOL U.S., INC. Address: 14826 NE 95TH STREET

Во

x:City:REDMOND State:WA ZIP:98052 Country:US

Phone:425-556-5114/800-331-4304 Contract Num:SP0450-99-M-NC20

CAGE:0L040

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

Ingred Name:NAPHTHA (PETROLEUM), HYDROTREATED HEAVY SUBSTANCES WITH HARMFUL PROPERTIES OTHER SUBSTANCES

CAS:64742-48-9 Minumum % Wt:35. Maxumum % Wt:45.

Ingred Name:2-BUTOXYETHANOL

CAS:111-76-2

RTECS #:KJ8575000 Minumum % Wt:1.1 Maxumum % Wt:1.6

OSHA PEL:240 MG/M3;50 PPM ACGIH TLV:121 MG/M3;25 PPM

Ingred

Name:CALCIUM DINONYLNAPHTHALENESULFONATE CAS:57855-77-3
Minumum % Wt:10.

Maxumum % Wt:20.

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

LD50 LC50 Mixture:ORAL LD50(RAT): >2000 MG/KG

Health Hazards Acute and Chronic:INHALATION-AT HIGH CONCENTRATIONS
REACTION TIME & MEMORY MAY DETERIORATE & UNCONSCIOUSNESS MAY OCCUR.
LONG OR OFTEN REPEATED INHALATION OF HIGH CONCENTRATIONS MAY CAUSE
PERMANENT DAMAGE TO THE NERVOUS SYSTEM. EYE-SLIGHT IRRITATION.
SKIN-DEGRE

ASES THE SKIN WHICH AT LONG OR OFTEN REPEATED CONTACT MAY CAUSE REDDENING & SOMETIMES ECZEMA. IN COMBINATION WITH BAD PERSONAL HYGIENE, IT MAY CAUSE DERMATITI S, OIL ACNE OR OTHER SKIN CHANGES. INGESTION-RISK OF CHEMICAL PNEUMONIA IF THE PRODUCT REACHES THE LUNGS AT VOMITING OR SIMILAR.

Effects of Overexposure:INHALATION: MAY CAUSE HEADACHE, DIZZINESS, TIREDNESS & NAUSEA. EYE: SMARTING PAIN & SLIGHT IRRITATION. SKIN: MAY CAUSE REDDENING & SOMETIMES ECZEMA. INGESTION: MAY

NAUSEA, VOMITING, DIARRHEA.		
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First Aid:INHALATION: FRESH AIR AND REST. ALTERNATIVELY ARTIFICIAL RESPIRATION. INGESTION: GIVE 30Z OF USP WHITE MINERAL OIL OR EDIBLE VEGETABLE OIL TO DRINK. TO HOSPITAL IF STRONG COUGH OR VOMITING OCCURS, OR IF LARGER QUANTITY HAS BEEN CONSUMED. DO NOT INDUCE VOMITING! SKIN: REMOVE SOAKED CLOTHING. WASH SKIN WITH SOAP AND WATER. EYES: RINSE WITH WATER. CONTACT PHYSIC IAN IF DISCOMFORT CONTINUES.		
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Flash Point Method:PMCC Flash Point:>47.C, 116.6F Autoignition Temp:>240.C, 464.F Lower Limits:.60 Upper Limits:7		
Extinguishing Media:FIRE MAY BE EXTINGUISHED USING POWDER, FOAM OR CARBON DIOXIDE (CO2).		
Fire Fighting Procedures: CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER.		
========= Accidental Release Measures ===========		
Spill Release Procedures: ABSORB IN VERMICULITE, DRY SAND OR EARTH AND PLACE INTO CONTAINERS. COLLECT SPILLAGE IN CONTAINERS, SEAL SECURELY AND DELIVER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS.		
============= Handling and Storage ==============		

Handling and Storage Precautions:PROVIDE GOOD VENTILATION. MECHANICAL VENTILATION OR LOCAL EXHAUST VENTILATION MAY BE REQUIRED. AEROSOL CANS MUST NOT BE EXPOSED TO DIRECT SUNLIGHT OR TEMPERATURES ABOVE

Other Precautions:HAZARD IDENTIF

CATION: FLAMMABLE. MAY BE HARMFUL AT INHALATION AT LONG EXPOSURE. MAY BE HARMFUL AT INGESTION. DRIES THE SKIN.
====== Exposure Controls/Personal Protection =========
Respiratory Protection:RESPIRATORY PROTECTION MAY BE REQUIRED. GAS CARTRIDGE (ORGANIC SUBSTANCES). Ventilation:MECHANICAL VENTILATION OR LOCAL EXHAUST VENTILATION MAY BE REQUIRED. Protective Gloves:USE PROTECTIVE GLOVES MADE OF NEOPREN, NITRILE. Supplemental Safety and Health HAZARDS IDENTIFICATION: F LAMMABLE. MAY BE HARMFUL AT INHALATION AT LONG
EXPOSURE. MAY BE HARMFUL AT INGESTION. DRIES THE SKIN.
========= Physical/Chemical Properties ============
HCC:V3 Boiling Pt:B.P. Text:-170-210 Vapor Pres:1 Spec Gravity:.89 Viscosity:35.00 @25 Evaporation Rate & Duble E. WHITE SPIRIT Appearance and Odor:BROWNISH LIQUID FLUID: SOLVENT ODOR.
========= Stability and Reactivity Data ===========
JNSPECIFIED.
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Foxicological Information:TOXIC CONC LC50: >5 MG/L/4H (INH-RAT).

Toxicological Information:TOXIC CONC. - LC50: >5 MG/L/4H (INH-RAT).
HEALTH WARNINGS: INHALATION-MAY CAUSE HEADACHE, DIZZINESS,
TIREDNESS & NAUSEA. A HIGH CONCENTRATIONS REACTION TIME & MEMORY
MAY DETERIORATE & UNCONSCIOUSNESS MAY OCCUR. LONG OR OFTEN
REPEATED INHALATION OF HIGH CONCENTRATIONS MAY CAUSE PERMANENT
DAMAGE TO THE NERVOUS SYSTEM. EYE-SMARTING PAIN & SLIGHT
IRRITATION. SKIN-DEGREASES THE SKIN WHICH AT LONG

Ecological: THIS PRODUCT IS NOT CLASSIFIED AS HARMFUL TO THE ENVIRONMENT. THE PETROLEUM NAPTHA IS NOT CLASSIFIED AS ENVIRONMENTALLY HARMFUL & HAS LOW TOXICITY FOE WA TER ORGANISMS.

MAJOR LOCAL OUTLETS COULD BE A R ISK. THE NAPTHA IS EASILY DEGRADABLE. BIO ACCUMULATION-THE PRODUCT NAPTHA CAN BE BIODEGRADABLE. DEGRADABILITY-NO INFORMATION AVAILABLE FOR THE PRODUCT. THE SOLVENT IS EASILY DEGRADABLE. ACUTE TOXICITY -FOR THE PETROLEUM NAPTHA LC50(FISH) 10-100MG/L, EC50(DAPHNIA)10-100 MG/L, IC50(ALGAES) 10-100 MG/L. WATER HAZARD CLASSIFICATION-ALL COMPONENTS USED HAVE LOW TOXICITY ON WATER LIVING ORGANISMS. WGK 1 (OWN ESTIMATION).

	Disposal Considerati	ons ==========
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Waste Disposal Methods: CONFIRM DISPOSAL PROCEDURES WITH ENVIRONMENTAL ENGINEER AND LOCAL REGULATIONS.

======= MSDS Transport Information ==========

Transport Information:ROAD TRANSPORT: UN NO. ROAD:1950. ADR CLASS NO.: CLASS 2: GASES, COMPRESSED, LIQUEFIED R DISSOLVED UNDER PRESSURE. ADR CLASS: 2.5F. PROPER SHIPPING NAME I: AEROSOL. PROPER SHIPPING NAME II: AEROSOL. R AIL TRANSPORT: RID

CLASS NO.: 2.5F. SEA

TRANSPORT: UN NO. SEA: 1950. IMDG CLASS: 2.1. IMDG PAGE NO.: 2102.

IMDG PACK GR.: II. EMS NO.: 2-13. MFAG TABLE NO.: 620. AIR TRANSPORT: UN NO. AIR: 1950. ICAO CLASS: 2. AIR PACK GR.: II.

=========== Other Information ==================

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