

DINOL U.S., INC. -- DINITROL AV 100D -- 6850-01-370-2596

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

Product ID:DINITROL AV 100D

MSDS Date:07/30/1996

FSC:6850

NIIN:01-370-2596

Status Code:A

MSDS Number: CJKNH

=== 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+4608337043

Pr

eparer's Name:LENA ALMESTRAND

CAGE:0L040

=== Contractor Identification ===

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:SP0450-99-M-NA43

CAGE:0L040

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

Ingred Name:NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

CAS:64742-48-9

Minumum % Wt:20.

Maxumum % Wt:30.

Ingred Name:BARIUM DINONYLNAPHTHALENESULFONATE

CAS:25619-56-1

Minumum % W

t:5.
Maxumum % Wt:10.

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

LD50 LC50 Mixture:>5000 MG/KG

Health Hazards Acute and Chronic:ACUTE: MAY BE HARMFUL AT INHALATION AT LONG EXPOSURE. DRIES THE SKIN. MAY BE HARMFUL AT INGESTION. FLAMMABLE.

Explanation of Carcinogenicity:NOT PROVIDED.

Effects of Overexposure:SKIN: DRY SKIN. INGESTION: COUGH, VOMITING. EYES: DISCOMFORT.

Medical Cond Aggravated by Exposure:NOT PROVIDED.

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

First Aid:INHALATION: FRESH AIR AND REST. ALTERNATIVELY ARTIFICIAL RESPIRATION. INGESTION: GIVE 3 OZ OF USP WHITE MINERAL OIL OR EDIBLE VEGETABLE OIL TO DRINK. TO HOSPITAL IF STRONG COUGH OR VOMITING OCCURS, O R 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 PHYSICIAN IF DISCOMFORT CONTINUES.

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

Flash Point Method:PMCC

Flash Point:>47.C, 116.6F

Autoignition Temp:>200.C, 392.F

Lower Limits:0.50

Upper Limits:7

Extinguishing Media:FIRE MAY BE EXTINGUISHED USING POWDER, FOAM OR CARBON DIOXIDE (CO2). CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER.

Fire Fighting Procedures:FIRE MAY BE EXTINGUISHED USING POWDER, FOAM OR CARBON DIOXIDE (CO2). CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER.

Unusual Fire/Explosion H

azard:MAY REACT VIOLENTLY WITH OXIDIZING MATERIALS.

===== 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. Neutralizing Agent:NOT PROVIDED.

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

Handling and Storage Precautions:PROVIDE GOOD VENTILATION. MECHANICAL VENTILATION OR LOCAL EXHAUST VENTILATIONMAY BE REQUIRED. STORE AT MODERATE TEMPERATURES IN DRY, WELL VENTILATED AREA.

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

Respiratory Protection:RESPIRATORY PROTECTION MAY BE REQUIRED GAS CARTRIDGE (ORGANIC SUBSTANCES).
Ventilation:PROVIDE GOOD VENTILATION. MECHANICAL VENTILATION OR LOCAL EXHAUST VENTILATION MAY BE REQUIRED.
Protective Gloves:USE PROTECTIVE GLOVES MADE OF NEOPRENE, NITRILE.
Supplemental Safety and Health
N/PP

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

HCC:F4
Boiling Pt:B.P. Text:150 TO 200 C
Vapor Pres:< 1 (KPA)
Vapor Density:> 1(AIR=1)
Spec Gravity:.97 G/ML AT 23C
Viscosity:0.50 PAS AT 23 C
Evaporation Rate & Reference:< 0.12(BUAC=1)
Solubility in Water:.01 (/100G H2O 20C)
Appearance and Odor:FLUID, LIGHT BROWN

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

MAY REACT VIOLENTLY WITH OXIDIZING MATERIALS.
Stability Condition to Av

oid:FLAMES. HIGH TEMPERATURES.

===== Toxicological Information =====

Toxicological Information:LC50 > 3200 PPM/4H (INHALATION RAT)

===== Ecological Information =====

Ecological:THE PRODUCT IS NOT CLASSIFIED AS HARMFUL TO THE ENVIRONMENT.
THE PETROLEUM NAPHTHA IS NOT CLASSIFIED AS ENVIRONMENTALLY HARMFUL
AND HAS LOW TOXICITY FOR WATER ORGANISMS. MAJOR LOCAL OUTLETS COULD
BE A RISK. THE NAPHTHA IS EASILY DEGRADABLE. THE
PETROLEUM NAPHTHA
CAN BE BIOACCUMULATED. FOR THE PETROLEUM NAPHTHA LC50 (FISH) 10-100
MG/L, EC50 (DAPHNIA) 10-100 MG/L, IC50 (ALGAES) 10-100 MG/L.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL AUTHORITY
REQUIREMENTS.

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

Transport Information:RAIL TRANSPORT : RID CLASS NUMBER 3-31C.

===== Regulatory Information =====

=====

SARA Title III Information:N/P.

Federal Regulatory Information:RISK PHRASES: R-10 FLAMMABLE. SAFETY
PHRASES: S-9 KEEP CONTAINER IN A WELL VENTILATED PLACE; S-23 DO
NOT BREATHE GAS/FUMES/VAPOUR/SPRAY; S-24 AVOID CONTACT WITH SKIN;
S-38 IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE
RESPIRATORY EQUIPMENT.

State Regulatory Information:N/P.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.