

DINOL AB -- 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: CJQLT

=== Responsible Party ===

Company Name:DINOL AB

Box:149

City:S-281 22 HASSLEHOLM

Emergency Phone Num:020-996000+4608337043

Resp. Party Other MSDS Num.:HV/270D

Preparer's Name:LENA ALMESTRAND

Chemtrec Ind/Pho

ne:(800)424-9300

CAGE:NO489

=== Contractor Identification ===

Company Name:DINOL AB

Box:149

City:S-281 22 HASSLEHOLM

CAGE:NO489

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

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-ND74

CAGE:0L040

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Composition/Information on Ingredients =====

Ingred Name:NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

CAS:64742-48-9

Minumum % Wt:20.

Maxumum % Wt:30.

Ingred Name:INHIBITOR (SULFONATE BASED)

CAS:25619-56-1

Minumum % Wt:5.

Maxumum % Wt:10.

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

LD50 LC50 Mixture:>5000 MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE: MA

Y BE HARMFUL AT INHALATION AT

LONG EXPOSURE. DRIES THE SKIN. MAY BE HARMFUL IF INGESTED.

FLAMMABLE.

Explanation of Carcinogenicity:THE PETROLEUM NAPHTA / PETROLEUM  
DISTILLATE / LUBRICATING OIL FULFILL THE REQUIREMENTS FOR NOT  
BEING CLASSIFIED AS CANCEROGENIC [< 0.1% BENSENE ALT 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:CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR  
COOLED WITH WATER.

Unusual Fire/Explosion Hazard:MAY REACT VIOLENTLY WITH OXIDIZING  
MATERIALS.

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. EVACUATE AREA.  
WEAR APPROPRIATE SAFETY EQUIPMENT. SHUT OFF SOURCE OF LEAK. DIKE  
AND CONTAIN LEAK. PUMP FREE MATERIAL INTO SALVAGE VESSELS. SOAK UP  
RES

ADDITIONAL INFORMATION: PRODUCT IS TO BE USED WITH A SUITABLE ABSORBENT. COLLECT ABSORBENT IN OPEN-HEAD DRUMS ONLY, SEAL DRUM SECURELY AND DELIVER FOR DISPOSAL ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS AND LAWS.

Neutralizing Agent:NOT PROVIDED.

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

Handling and Storage Precautions:KEEP PRODUCT AND CONTAINERS FROM FLAME, SPARKS, IGNITION SOURCES, HIGH TEMPERATURES, HEATING AND ELECTRICAL EQUIPMENT. GROUND CONTAINER DURING LIQUID TRANSFERS.

C

LEAN UP SPILLS USING ABSORBENT MATERIAL. STORE AT TEMPERATURES BETWEEN 40F AND 100F IN A DRY, WELL VENTILATED AREA.

Other Precautions:DO NOT BREATHE GAS, FUMES, VAPORS, SPRAY. AVOID SKIN CONTACT. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

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

Respiratory Protection:IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. IF RESPIRATORY PROTECTION REQUIRED USE R

RESPIRATOR WITH 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

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

HCC:F4

Boiling Pt:B.P. Text:150 TO 200 C

Vapor Pres:< 1 (KPA) @20C

Vapor Density:> 1(AIR=1)

Spec Gravity:0.97

Viscosity:0.50 PAS AT 23 C

Evaporation Rate & Reference

:< 0.12 (BUAC=1)

Solubility in Water:.01 (G/100G H2O 20C)

Appearance and Odor:FLUID, LIGHT BROWN; NO ODOR MENTIONED.

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

UNSPECIFIED

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

Toxicological Information:TOXIC DOSE-LD 50: >5000.00 MG/KG (ORAL RAT).

TOXIC CONC.-LC 50: 3200.00 PPM/4H(INH-RAT)

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

Ecological:PRODUCT NOT CLASSIFIED AS HARMFUL

L TO ENVIRONMENT. PETROLEUM

NAPHTA NOT CLASSIFIED AS ENVIRONMENTALLY HARMFUL AND HAS LOW TOXICITY FOR WATER ORGANISMS. MAJOR LOCAL OUTLETS COULD BE A RISK, NAPHTA IS EASILY DEGRADABLE. BIO ACCUMULATION:PETROLEUM NAPHTA CAN BE BIOACCUMULATED. DEGRADABILITY: NO INFORMATION AVAILABLE FOR PRODUCT. SOLVENT IS EASILY DEGRADABLE. ACUTE FISH TOXICITY: NO INFORMATION FOR PR ODUCT. FOR .PETROLEUM NAPHTA: LC50 (FISH) 10-100 MG/L, EC50(DAPHNIA) 10-100 MG/L, IC50(ALGAES) 10-100

MG/L. WATER

HAZARD CLASSIFICATION: NO INFORMATION AVAILABLE FOR PRODUCT WGK 1 (OWN ESTIMATION).

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

Waste Disposal Methods:DISPOSE OF WASTE MATERIAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

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

Transport Information:PER MSDS, TRANSPORTATION DATA: GROUND/RAIL: PROPER SHIPPING NAME: COATING SOLUTION. UN 1139, CLASS 3; FLAMMABLE LIQUIDS.

SEA TRANSPORT: UN 1139, CLASS 3.3, IMDG PAGE 3321, PKG III, MARINE POLLUTANT: N O. AIR TRANSPORT: UN 1139, CLASS 3, PKGIII.

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