

DINOL INTERNATIONAL. -- DINITROL AV 30,HV/269 E -- 6850-01-355-3387  
===== Product Identification =====

Product ID:DINITROL AV 30,HV/269 E  
MSDS Date:02/11/1997  
FSC:6850  
NIIN:01-355-3387  
MSDS Number: CFKKG  
=== Responsible Party ===  
Company Name:DINOL INTERNATIONAL.  
Address:283 SW 41ST ST  
City:RENTON  
State:WA  
ZIP:98055  
Country:US  
Info Phone Num:206-251-9504  
Emergency Phone Num:206-251-9504  
CAGE:0L04  
0

=== 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  
CAGE:0L040

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

Ingred Name:NAPHTHA(PETROLEUM)HYDROTREATED HEAVY SUBSTANCES WITH  
HARMFUL PROPERTIES/MINERAL SPIRITS  
CAS:64475-85-0  
RTECS #:PY8240000  
Fraction by Wt: 35 - 45%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3 AS OIL MIST  
ACGIH TLV:5 MG/M3 A

S OIL MIST

Ingred Name:BUTYL GLYCOL/2-BUTOXYETHANOL  
CAS:111-76-2  
RTECS #:KJ8575000  
Fraction by Wt: 1.1-1.6%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S, 50 PPM  
ACGIH TLV:S, 25 PPM; 9596

Ingred Name:SURFACTANT/2,2'-(9-OCTADECENYLIMINO)BISETHANOL  
CAS:25307-17-9  
Fraction by Wt: 0.2%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:INHIBITOR(SULFONATE BASE)/CALCIUM  
DINONYLNAPHTHALENESULFONATE  
CAS:57855-77-3  
Fraction by Wt: 10 - 20%  
Other REC Limits:NONE RECOMMENDED

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ds Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS >2,000 MG/KG.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &  
GI TRACTS. ACUTE- MAY CAUSE EYE IRRITATION. PROLONGED/REPEATED SKIN  
CONTACT MAY CAUSE DRYNESS. MAY BE HARMFUL IF INHALED OR INGESTED.  
CHRONIC- UNKNOWN.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IR  
RITATION, HEADACHE, NAUSEA, VOMITING, BLURRED  
VISION, TEARING, DRYNESS OF SKIN  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE  
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:IMMEDIATELY  
FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH  
SOAP & WATER.

INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:GET MEDICAL ATTENTION IF SIGNIFICANT AMOUNTS ARE INGESTED OR SEVERE COUGHING OR VOMITING OCCURS. TAKE 3 OZ USP MINERAL OIL OR VEGETABLE OIL.

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Fire Fighting Measures  
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Flash Point:>117F,>47C  
Autoignition Temp:Autoignition Temp Text:464F  
Lower Limits:0.6  
Upper Limits:7.0  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM OR HALON. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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Accidental Release Measures  
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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN AND PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH, VERMICULITE. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS OR WATERWAYS.  
Neutralizing Agent:NOT RELEVANT

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Handling and Storage  
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Handling and Storage Precautions:STORE AT MODERATE TEMPERATURES, IN DRY, WELL-VENTILATED AREAS AWAY FROM SOURCES OF IGNITION.  
Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE. FOLLOW ALL LABEL INSTRUCTIONS. AVOID REPEATED/PROLONGED SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN. DO NOT BREATHE VAPORS. DO NOT INGEST. WASH AFTER HANDLING.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR.  
Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).  
Pro

protective Gloves:NEOPRENE, NITRILE

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A-C, SAME NSN.

===== Physi  
cal/Chemical Properties =====

HCC:F4

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:284F - 392F

Vapor Pres:1

Evaporation Rate & Reference: