

DINOL U.S., INC. -- DINITROL AV 30

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MSDS Safety Information
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FSC: 6850
NIIN: 01-436-3668
MSDS Date: 02/11/1999
MSDS Num: CKVSC
Product ID: DINITROL AV 30
MFN: 01
Responsible Party
Cage: 0L040
Name: DINOL U.S., INC.
Address: 14826 NE 95TH STREET
City: REDMOND WA 98052
Info Phone
Number: 425-556-5114/800-331-4304
Emergency Phone Number: +46-8337043

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Item Description Information
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Item Manager: S9G
Item Name: WATER-DISPLACING COMPOUND
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: BX
Quantitative Expression: 00000000012EA
UI Container Qty: 1
Type of Container: AEROSOL CAN

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: EFFECTS OF OVEREXPOSURE: INHALATION: IN HIGH CONCENTRATION
HEADACHE, DIZZINESS, TIREDNESS, IRRITATION ON EYES AND RESPIRATORY

TRACTS.

SKIN CONTACT: IRRITATION MAY CAUSE REDDENING AND CHAFFING. EYE CONTACT: IRRITATING BUT DO NOT DAMAGE THE EYE TISSUE. INGESTION: SMALL AMOUNTS OF PRODUCT WHICH REACH THE RESPIRATORY TRACTS BY INGESTION OR VOMITING MAY CAUSE PNEUMONA.

Signs And Symptoms Of Overexposure: INHALATION: IN HIGH CONCENTRATION HEADACHE, DIZZINESS, TIREDNESS, IRRITATION ON EYES AND RESPIRATORY TRACTS. SKIN CONTACT: IRRITATION MAY CAUSE REDDENING AND CHAFFING. EYE CONTACT: IRRITATING BUT DO NOT DAMAGE THE EYE TISSUE.

First Aid: INHALATION: FRESH AIR AND REST. SKIN CONTACT: REMOVE SOILED CLOTHES. WASH WITH SOAP AND LOTS OF WATER. IF IRRITATION REMAINS, SEEK MEDICAL ASSISTANCE. EYE CONTACT: RINSE WITH LOTS OF WATER. GET MEDICAL ADVICE IF PROBLEMS REMAIN. INGESTION: AVOID VOMITING. TO HOSPITAL IF MORE THAN INSIGNIFICANT AMOUNT HAVE BEEN INGESTED.

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Handling and Disposal
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Spill Release Procedures: USE SAND OR OTHER ABSORBING MATERIAL. AVOID GETTING INTO THE SEWAGE. FOLLOW LOCAL REGULATIONS.

Waste Disposal Methods: BURNING UNDER CONTROLLED CONDITIONS. FOLLOW LOCAL REGULATIONS.

Handling And Storage Precautions: NO SPECIAL PROCEDURES.
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Fire and Explosion Hazard Information
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Flash Point Method: COC
Flash Point: =47.C, 116.6F
Lower Limits: 0.6
Upper Limits:
7

Extinguishing Media: FOAM, CO2, DRY POWDER.
Fire Fighting Procedures: NONE
Unusual Fire/Explosion Hazard: MAY FORM EXPLOSIVE MIXTURES WITH AIR WHEN HEATED.
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Control Measures
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Respiratory Protection: NONE BY NORMAL USE. IF GOOD VENTILATION CANNOT BE PROVIDED USE BREATHING MASK OSHA 112.
Ventilation: GENERAL (MECHANICAL) RECOMMENDED.
Protective Gloves: CHEMICAL RESISTANT MATERIAL R

ECOMMENDED.

Eye Protection: GLASSES AT RISK OF SPLASHING.

Other Protective Equipment: NO DATA PROVIDED BY MANUFACTURER

Work Hygienic Practices: NO DATA PROVIDED BY MANUFACTURER

Supplemental Safety and Health: THE AEROSOL CONSISTS OF 50% PRODUCT CONCENTRATE AND 50% 134A GAS AS PROPELLANT.

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Physical/Chemical Properties
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HCC: V2

B.P. Text: 140C - 200C

M.P/F.P Text: NOT DETERMINED

Vapor P

res: < 7.5 @ 20C/68F

Vapor Density: >1 (AIR=1)

Spec Gravity: 0.91

Evaporation Rate & Reference: 0.2 (BUAC=1)

Solubility in Water: INSIGNIFIGANT

Appearance and Odor: BROWN LIQUID, SLIGHT SMELL

Percent Volatiles by Volume: 42

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: LOW AND TOO HIGH TEMPERATURES.

Materials To Avoid: STRONGLY OXIDIZING SUBSTANCES.

Hazardous Decomposition Products: NONE BY NORMAL USE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR

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Toxicological Information
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Toxicological Information: NO DATA PROVIDED BY MANUFACTURER

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Ecological Information
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Ecological: NO DATA P

ROVIDED BY MANUFACTURER

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MSDS Transport Information
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Transport Information: IMDG: CLASS: 3:3. PAGE 3321, UN NO. 1139, PACK GR.: I I
I. (NOTE FROM DLA-: THIS DATA IS FOR BULK PRODUCT NOT AEROSOL).

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Regulatory Information
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Sara Title III Information: NO DATA PROVIDED BY MANUFAC

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Federal Regulatory Information: NO DATA PROVIDED BY MANUFACTURER

State Regulatory Information: NO DATA PROVIDED BY MANUFACTURER

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Other Information

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Other Information: NO DATA PROVIDED BY MANUFACTURER

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Transportation Information

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Responsible Party Cage: 0L040

Trans ID NO:

155239

Product ID: DINITROL AV 30

MSDS Prepared Date: 02/11/1999

Review Date: 11/03/2000

MFN: 1

Tech Entry NOS Shipping Nm: ALIPHATIC HYDROCARBON, CYCLOHEXANONE

Net Unit Weight: 0.7 LBS/CAN

Multiple KIT Number: 0

Unit Of Issue: BX

Container QTY: 1

Type Of Container: AEROSOL CAN

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Detail DOT Information

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DOT PSN Code: AGC

DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,

DOT PSN Modifier: (E

ACH NOT EXCEEDING 1 L CAPACITY)

Hazard Class: 2.1

UN ID Num: UN1950

Label: FLAMMABLE GAS

Special Provision: N82

Non Bulk Pack: NONE

Bulk Pack: NONE

Max Qty Pass: 75 KG

Max Qty Cargo: 150 KG

Vessel Stow Req: A

Water/Ship/Other Req: 40,48,85

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Detail IMO Information

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IMO PSN Code: AKD

IMO Proper Shipping Name: AEROSOLS o

IMDG Page Number: 2102

UN Number: 1950

UN Hazard Class: 2(T)

IMO Pack

aging Group: -
Subsidiary Risk Label: T
EMS Number: 2-13
MED First Aid Guide NUM: 620

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Detail IATA Information
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IATA PSN Code: ALS
IATA UN ID Num: 1950
IATA Proper Shipping Name: AEROSOLS, FLAMMABLE
IATA PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
Packing Note Passenger: 203
Max Quant Pass: 75KG
Max Quant Cargo: 150KG
Packaging Note Cargo
: 203

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Detail AFI Information
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AFI PSN Code: ALR
AFI Symbols: *
AFI Proper Shipping Name: AEROSOLS, FLAMMABLE, N.O.S.
AFI PSN Modifier: (EACH NOT EXCEEDING 1L CAPACITY)
AFI Hazard Class: 2.1
AFI UN ID NUM: UN1950
Special Provisions: P4
Back Pack Reference: A6.3

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HAZCOM Label
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Product ID: DINITROL AV 30
Cage: 0L040
Company Name: DINOL U.S., INC.
Street: 14826 NE 95TH STREET
City: REDMOND WA
Zipcode: 98052
Health Emergency Phone: +46-8337043
Label Required IND: Y
Date Of Label Review: 11/03/2000
Status Code: A
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: NO
Health Hazard: Moderate
Contact Hazard: Slight
Fire Hazard: Severe
Reactivity Hazard: None
Hazard And Precautions: CONTENTS UNDER PRESSURE! FLAM

MABLE! EFFECTS OF

OVEREXPOSURE: INHALATION: IN HIGH CONCENTRATION HEADACHE, DIZZINESS, TIREDNESS, IRRITATION ON EYES AND RESPIRATORY TRACTS. SKIN CONTACT: IRRITATION MAY CAUSE REDDENING AND CHAFFING. EYE CONTACT: IRRITATING BUT DO NOT DAMAGE THE EYE TISSUE. INGESTION: SMALL AMOUNTS OF PRODUCT WHICH REACH THE RESPIRATORY TRACTS BY INGESTION OR VOMITING MAY CAUSE PNEUMONIA. TARGET ORGANS: N/P.

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