

DOW ELANCO, A JOINT VENTURE -- 37930 FORMULA 40 HERBICIDE (VERTAC)

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MSDS Safety Information
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FSC: 6840
NIIN: 00-664-7060
MSDS Date: 06/07/1992
MSDS Num: BSWZG
Product ID: 37930 FORMULA 40 HERBICIDE (VERTAC)
MFN: 02
Responsible Party
Cage: 0TNR0
Name: DOW ELANCO, A JOINT VENTURE
Address: 9002 PURDUE ROAD, QUAD
IV
City: INDIANAPLOIS IN 46268-1189
Info Phone Number: 317-875-8618
Emergency Phone Number: 517-636-4400
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 96717
Name: DOW CHEMICAL CO
Address: 100 LARKIN CENTER
City: MIDLAND MI 48674
Phone: 800-258-2436
Cage: 0TNR0
Name: DOW ELANCO
Address: QUAD IV, 9002 PURDUE RD
City: INDIANAPOLIS IN 46268-1189
Phone: 517-636-440
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Item Description Information
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Item Manager: S9G
Item Name: HERBICIDE,2,4-DICHLOROPHENOXYACETIC ACID
Specification Number: A-A-197
Type/Grade/Class: TYPE II
Unit of Issue: BX
Quantitative Expression: 00000000002EA
UI Container Qty: 1
Type of Container: CONTAINER

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: ORAL LD50 (RAT) IS 1391 MG/KG

Route Of Entry Inds - Inhalation: NO

Skin: NO

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE: CONTACT MAY CAUSE CORNEAL DAMAGE TO EYE WHICH MAY CAUSE PERMANENT DAMAGE OR BLINDNESS. INGESTION MAY CAUSE GI TRACT IRRITATION.

INHALATION OF VAPORS IS NOT LIKELY TO BE HAZARDOUS. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE BURNS OR SKIN IRRITATION, LIVER, KIDNEY, GASTROINTESTINAL & MUSCULAR EFFECTS.

Explanation Of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Signs And Symptoms Of Overexposure: EYES: BLURRED VISION, TEARING, BURNING SENSATION, STINGING. SKIN: REDNESS, DISCOMFORT, BURNING SENSATION. SWALLOWED: NAUSEA,

VOMITING, DIARRHEA, ABDOMINAL CRAMPS.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: INHALED: REMOVE TO FRESH AIR IF EFFECTS OCCUR. SEE A DOCTOR. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: WASH OFF WITH FLOWING WATER OR SHOWER. INGESTED: IF CONSCIOUS, DRINK A LOT OF MILK, EGG WHITES, GELATIN SOLUTION, OR WATER. INDUCE VOMITING. AVOID ALCOHOL. GET IMMEDIATE MEDICAL ATTENTION.

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Handling and Disposal
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Spill Release Procedures: ABSORB WITH INERT MATERIAL. DIKE IN CASE OF LARGE SPILLS. KEEP OUT OF IRRIGATION DITCHES AND WATER SUPPLIES.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. EPA WASTE NUMBER U240 MAY APPLY.

Handling And Storage Precautions: KEEP OUT OF REACH OF CHILDREN. DO NOT GET ON SKIN, IN EYES OR ON CLOTHING.

DO NOT SWALLOW.

Other Precautions: DO NOT STORE NEAR FERTILIZERS, SEED, FUNGICIDES, OR INSECTICIDES. DO NOT CONTAMINATE IRRIGATION DITCHES OR WATER USED FOR DOMESTIC PURPOSES.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point Text: 191F,88C

Lower Limits: UNKNOWN

Upper Limits: UNKNOWN

Extinguishing Media: WATER FOG, ALCOHOL FOAM, CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. CONTAIN WATER FROM FIREFIGHTING TO PREVENT ENTRY TO WATER SUPPLIES.

Unusual Fire/Explosion Hazard: NOXIOUS VAPOR UNDER HIGH TEMPERATURE CONDITIONS.

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Control Measures
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Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR

RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation: USE ADEQUATE MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW REGULATORY LIMITS.

Protective Gloves: RUBBER IF REPEATED/PROLONGED CONTACT

Eye Protection: SAFETY GLASSES W/SIDE SHIELDS

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWER AVAILABLE.

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.

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Physical/Chemical Properties
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HCC: V7

Vapor Pres: 17 MM HG

Vapor Density: UNKNOWN

Spec Gravity: 1.24 @ 68F

Evaporation Rate & Reference: UNKNOWN

Solubility in Water: COMPLETE

Appearance and Odor: AMBER LIQUID; NO ODOR

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator:

YES

Stability Condition To Avoid: AVOID CONDITIONS NEAR OR ABOVE FLASH POINT. AVOID INCOMPATIBLE MATERIALS.

Materials To Avoid: STRONG ALKALIS, STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: HYDROGEN CHLORIDE

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE

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Toxicological Information
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Ec
ological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Code: 0TNR0

Trans ID NO: 81553

Product ID: 37930 FORMULA 40 HERBICIDE (VERTAC)

MSDS Prepared Date: 06/07/1992

Review Date: 01/12/1999

MFN: 2

Tech Entry NOS Shipping Nm: 2,4-D (DICHLORYLPHEENOXYACETIC ACID)

Net Unit Weight: 51.7 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: BX

Container QTY: 1

Type Of Container: CONTAINER

Additional Data: DOT (SUR

FACE): NOT REGULATED. DOT (WATER): REGULATED. PROPER SHIPPING NAME IS: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-DICHLOROPHENOXY-ACETIC ACID, WATER SOLUBLE), HAZARD CLASS: 9; UN 3082; LABEL: CLASS 9. DOT OR IATA(AIR): NOT REGULATED.

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Detail DOT Information
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DOT PSN Code: XXX
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Detail IMO Information
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IMO PSN Code: GMW
IMO Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. o
IMDG Page Number: 9028
UN Number: 3082
UN Hazard Class: 9
IMO Packaging Group: III
Subsidiary Risk Label: -
EMS Number: NONE
MED First Aid Guide NUM: NON
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS
MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: LABEL COVERED UNDER EPA REGS - HAZCOM LABEL NOT AUTHORIZED
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