

ESTERON 99 CONCENTRATE 2,4-D HERBICIDE

MSDS Number

BBJHR

National Stock Number

6840-00F001442

Product Name

ESTERON 99 CONCENTRATE 2,4-D HERBICIDE

Manufacturer

DOW CHEMICAL U S A

Product Identification

Product ID:ESTERON 99 CONCENTRATE 2,4-D HERBICIDE

MSDS Date:05/15/1986

FSC:6840

NIIN:00F001442

MSDS Number: BBJHR

Responsible Party

DOW CHEMICAL U.S.A.

2020 DOW CENTER

MIDLAND , MI 48674

Emergency Phone: (517) 636-4400

Info Phone: (517) 636-4400

Cage: 71954

Contractor

DOW CHEMICAL U.S.A.

MIDLAND, MI 48674

US

517-636-4400

Cage: 71983

Ingredients

2,4-D ESTERS (SARA III)

CAS: 25168-26-7

RTECS: AG8575000

Fraction By Weight:

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

KEROSENE

CAS: 8008-20-6

RTECS: OA5500000

Fraction By Weight:

EMULSIFIERS

Fraction By Weight:

ISOOCTYL ALCOHOL

CAS: 26952-21-6

RTECS: NS7700000

Fraction By Weight:

OSHA PELs, 50 PM

ACGIH TLV: S, 50 PPM; 9192

Hazards

LD50 LC50 Mixture:ORAL LD50 (RATS): 1792 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:EYES: MAY CAUSE MODERATE IRRITATION & CORNEAL INJURY. SKIN: IRRITATION. INGESTION: GASTROINTESTINAL IRRITATION, ULCERATION, LUNG DAMAGE, CHEMICAL PNEUMONIA, EVEN DEATH & BURNS. INHALATION: RESPIRATORY IRRITATION. EYES: IRRITATION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: LIVER, KIDNEY, GASTROINTESTINAL, MUSCULAR EFFECTS, NAUSEA, VOMITING, ABDOMINAL CRAMPS, DIARRHEA, ANESTHETIC, NARCOTIC EFFECTS, & RESPIRATORY IRRITATION. EYES: IRRITATION & CORNEAL INJURY. SKIN: IRRITATION. INGESTION: GASTROINTESTINAL IRRITATION, ULCERATION, LUNG DAMAGE, CHEMICAL PNEUMONIA & EVEN DEATH.

First Aid

First Aid:EYES: FLUSH W/FLOWING WATER FOR 15 MINUTES. CONSULT PHYSICIAN. SKIN: WASH OFF IN FLOWING WATER. INGESTION: DON'T INDUCE VOMITING. CALL PHYSICIAN. INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT PHYSICIAN.

Fire Fighting

Flash Point Method:TCC

Flash Point:150F

Extinguishing Media:WATER FOG, FOAM, CO2, DRY CHEMICAL.

Fire Fighting Procedures:WEAR POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NOXIOUS VAPORS FORMED UNDER FIRE CONDITIONS. CONTAIN WATER FROM FIRE-FIGHTING TO PREVENT ENTRY TO WATER SUPPLIES.

Accidental Release

Spill Release Procedures:ABSORB IN INERT MATERIAL SUCH AS SAND & SAWDUST. DIKE AREA IN CASE OF LARGE SPILLS. DON'T USE WATER FOR CLEANUP.

Handling

Handling and Storage Precautions:KEEP OUT OF REACH OF CHILDREN. DON'T SWALLOW. AVOID CONTACT W/SKIN & EYES.

Other Precautions:DON'T STORE NEAR FERTILIZER, SEEDS, INSECTICIDES & FUNGICIDES. KEEP AWAY FROM OPEN FLAME.

Exposure Controls

Respiratory Protection:WHEN RESPIRATORY PROTECTION IS REQUIRED FOR CERTAIN OPERATIONS, USE AN APPROVED AIR-PURIFYING RESPIRATOR. ATMOSPHERIC LEVELS SHOULD BE MAINTAINED Ventilation:PROVIDE LOCAL EXHAUST/MECHANICAL VENTILATION FOR SOME OPERATION.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES, GOGGLES

Other Protective Equipment:IMPERVIOUS BOOT, APRON, FULL-BODY SUIT, EYE FOUNTAIN & WASHING FACILITIES.

Supplemental Safety and Health

IN LABORATORY ANIMALS, EXPOSURES HAVING NO ADVERSE EFFECTS ON THE MOTHER HAD OTHER HARMFUL EFFECTS ON THE FETUS. HIGH DIETARY LEVELS OF 2,F-D CAUSED TOXIC EFFECT IN RATS ON A REPRODUCTIVE TEST. HAS BEEN SHOWN TO BE NEGATIVE IN SOME IN VITRO(TEST TUBE) MUTAGENICITY TESTS & POSITIVE IN OTHERS.

Chemical Properties

Boiling Pt:B.P. Text:>300F
Vapor Pres:0.4
Vapor Density:4.7
Spec Gravity:1.03
Solubility in Water:EMULSIFIABLE
Appearance and Odor:AMBER LIQUID W/HYDROCARBON ODOR

Stability

Stability Indicator/Materials to Avoid:YES
ACID, BASE, OXIDIZING MATERIAL.
Stability Condition to Avoid:AVOID TEMPERATURES NEAR OR ABOVE FLASH POINT.
Hazardous Decomposition Products:NOXIOUS FUMES (AS HYDROCHLORIC ACID) UNDER FIRE CONDITIONS.

Disposal

Waste Disposal Methods:IF WASTES CANNOT BE DISPOSED OF BY USE ACCORDING TO LABEL INSTRUCTIONS, CONTACT YOUR STATE PESTICIDE, ENVIRONMENTAL CONTROL AGENCY OR THE HAZARDOUS WASTE REPRESENTATIVE AT THE NEAREST EPA REGIONAL OFFICE FOR GUIDANCE.

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