

RIVERDALE -- D139R, 2,4-D L.V. 4 ESTER -- 6840-00-577-4194

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===== Product Identification =====

Product ID:D139R, 2,4-D L.V. 4 ESTER

MSDS Date:08/29/1997

FSC:6840

NIIN:00-577-4194

Status Code:A

MSDS Number: CLGQY

=== Responsible Party ===

Company Name:RIVERDALE

Address:425 WEST 194TH STREET

City:GLENWOOD

State:IL

ZIP:60425

Country:US

Info Phone Num:800-345-3330

Emergency Phone Num:(800)424-9300

Res

p. Party Other MSDS Num.:139

Preparer's Name:NOT PROVIDED

Chemtec Ind/Phone:(800)424-9300

CAGE:LO771

==== Contractor Identification ====

Company Name:GOURMET INQUE LTD

Address:191 STANLEY ST

Box:City:ELK GROVE VILLAGE

State:IL

ZIP:60007-1555

Country:US

Phone:847-296-6192/FAX: 800-542-1042

Contract Num:SP0450-01-M-ZE39

CAGE:0TNN7

Company Name:RIVERDALE

Address:425 WEST 194TH STREET

Box:City:GLENWOOD

State:IL

ZIP:60425

Country:US

Phone:800-345-3330

CAGE:LO771

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===== Composition/Information =====

on Ingredients =====

Ingred Name:ISOOCTYL (2-ETHYLHEXYL) ESTER OF 2,4-DICHLOROPHENOXYACETIC ACID

CAS:1928-43-4

Code:F

RTECS #:AG8525000

= Wt:67.2

Other REC Limits:NOT PROVIDED

OSHA PEL:10 MG/M3 2,4-D ACID

ACGIH TLV:NOT AVAILABLE

Ingred Name:KEROSENE AND EMULSIFIER

CAS:8008-20-6

RTECS #:OA5500000

= Wt:32.8

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT AVAILABLE

ACGIH TLV:NOT AVAILABLE

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

LD50 LC50 Mixture:NOT PROVIDE

D

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE: INHALATION: CONTAINS PETROLEUM DISTILLATES. EXCESSIVE INHALATION MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, NAUSEA, HEADACHE/POSSIBLE UNCONSCIOUSNESS.

EYE: MAY CAUSE SLIGHT IRRITATI ON. SKIN: MAY CAUSE MILD IRRITATION/DERMAL SENSITIZATION IN SOME INDIVIDUALS. HARMFUL IF ABSORBED THROUGH SKIN. PROLONGED/REPEATED OVERE

XPOSURE MAY RESULT

IN EFFECTS SIMILAR TO THOSE CAUSED BY INGESTI ON. INGESTION: MAY CAUSE MUSCLE WEAKNESS, NAUSEA, DIARRHEA, ABDOMINAL PAIN. FALL IN BLOOD PRESSURE MAY OCCUR UNDER EXTREME EXPOSURE CONDITIONS. CAN BE FATAL. CHRONIC: MAY CAUSE LIVER, KIDNEY, GASTROIN TESTINAL/MUSCULAR SYSTEM EFFECTS.

Explanation of Carcinogenicity:REPEATED/PROLONGED OVEREXPOSURE TO PHENOXY HERBICIDES MAY CAUSE LIVER, KIDNEY, GASTROINTESTINAL/MUSCULAR SYSTEM EFFECTS. EPA'S SCIENCE ADVISO

RY

PANEL HAS GIVEN 2,4-D A CLASS D CLASSIFICATION (NOT HUMAN CARCINOGEN). VARIOUS EPIDEMIOLOGICAL STUDIES YIELDED CONFLICTING RESULTS WITH MAJORITY BEING NEGATIVE. NOT A MUTAGEN OR TERATOGEN.

Effects of Overexposure:NOT PROVIDED

Medical Cond Aggravated by Exposure:SKIN EXPOSURE MAY AGGRAVATE EXISTING SKIN CONDITIONS. EXPOSURE TO MIST MAY AGGRAVATE EXISTING RESPIRATORY CONDITIONS.

===== First Aid Measures =====

First Aid:EYE CONTACT: HO

LD EYELIDS OPEN AND FLUSH ENTIRE EYE WITH A

STEADY, GENTLE STREAM OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

GET MEDICAL ATTENTION IMMEDIATELY. INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER. DO NOT INDUCE VOMITING. DRINK PROMPTLY, LARGE QUANTITY OF MILK, EGG WHITES, GELATIN SOLUTION, OR WATER.

AVOID ALCOHOL. DO NOT GIVE ANYTHING BY MOUTH

TO AN UNCONSCIOUS

PERSON. SKIN CONTACT: WASH AFFECTED AREA WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:=-66.7C, 152.F

Extinguishing Media:USE CARBON DIOXIDE (CO2) OR DRY CHEMICAL FOR SMALL FIRES AND WATER FOG OR FOAM FOR LARGE FIRES. USE WATER SPRAY TO COOL CLOSED CONTAINERS.

Fire Fighting Procedures:MAY PRODUCE TOXIC AND NOXIOUS FUMES UNDER EXTREME

FIRE CONDITIONS. USE POSITIVE PRESSURE SELF-CONTAINED

BREATHING APPARATUS AND ACID RESISTANT PROTECTIVE CLOTHING. ANY WATER USED TO EXTINGUISH THE FIRE SHOULD BE CONTAINED BY DIKING TO PREVENT CONTAMINATION OF THE PUBLIC WATER SYSTEM.

Unusual Fire/Explosion Hazard:WHEN HEATED ABOVE THE FLASH POINT THIS MATERIAL EMITS FLAMMABLE VAPORS WHICH, WHEN MIXED WITH AIR, CAN BURN OR BE EXPLOSIVE. FINE MIST OR SPRAY MAY BE FLAMMABLE AT TEMPERATURES BELOW THE FLASH POINT.

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

Spill Release Procedures:WEAR THE SUGGESTED SAFETY EQUIPMENT WHEN CLEANING LARGE SPILLS. SURROUND WITH IMPERVIOUS MATERIAL SUCH AS DIRT TO PREVENT RUN-OFF. ABSORB PRODUCT WITH AN INERT ABSORBENT SUCH AS CLAY GRANULES OR SAWDU ST. CONTAIN AFFECTED MATERIAL IN A CLOSED, MARKED CONTAINER FOR PROPER DISPOSAL. 2,4-D SPILLS ARE SUBJECT TO CERCLA (SUPERFUND) REPORTING REQUIREMENTS. REPORTABLE QUANTITY (RQ) = 26 GALLO

NS OF PRODUCT

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:ALWAYS USE ORIGINAL CONTAINER TO STORE PESTICIDES IN A SECURED WAREHOUSE OR STORAGE BUILDING. DO NOT STORE SEEDS, FERTILIZERS WITH INSECTICIDES OR FUNGICIDES. CONTAINERS SHOULD BE OPENED IN WELL VENTI LATED AREAS. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

Other Precautions:KEEP CONTAINER TIGHTLY SEALED WHEN NOT I N USE. DO NOT STACK CARDBOARD CASES MORE THAN TWO PALLETS HIGH.

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

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED PESTICIDE RESPIRATOR WHEN EXPOSED TO MIST.

Ventilation:OPEN VENTILATION. REDUCE ALL MIST WITH LOCAL EXHAUST.

Protective Gloves:CHEMICAL-RESISTANT GLOVES.

Eye Protection:FACE SHIELD, SPLASH GOGGLES/SAFETY GLASSES WITH FRONT, BROW, TEMPLE PROTECTION

Other Protective Equipment:LONG SLEEVED SHIRT, LONG PANT S, SOCKS AND SHOES.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, CHEWING GUM, USING TOBACCO, OR USING THE TOILET. REMOVE CLOTHING IMMEDIATELY IF PESTICIDE GETS INSIDE. THEN WASH THOROUGHLY AND PUT ON CLEAN CLOTHING.

Supplemental Safety and Health

REMOVE PROTECTIVE EQUIPMENT AFTER HANDLING THIS PRODUCT. WASH THE OUTSIDE OF GLOVES WHEN REMOVING. AS SOON AS POSSIBLE, WASH THOROUGHLY AND CHANGE INTO CLEAN CLOTHING. N/A = NOT APPLICABLE.

N/AV = NOT AVAILABLE

. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:V4  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:>204.4C, 400.F  
Melt/Freeze Pt:M.P/F.P Text:NOT DETERMINED  
Decomp Temp:Decomp Text:NOT PROVIDED  
Vapor Pres:2000 MG/M3; ACUTE INHALATION LC50: >5 MG/L. EYE IRRITATION: MINIMAL IRRITATION. DERMAL IRRITATION: MINIMAL IRRITATION. DERMAL SENSITIZER: IS A SENSITIZ ER.

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

Ecological:ENVIRONMENTAL FATE: 2,4-D HAS A RELATIVELY SHORT HALF-LIFE (ON AVERAGE 6-9 DAYS IN SOIL, 6-7 IN GRASS) AND IS READILY DEGRADED INTO NON-TOXICOLOGICAL SUBSTANCES BY SOIL MICROBES AND AQUATIC MICRO-ORGA NISMS. RESEARCH HAS SHOWN THAT 2,4-D DOES NOT BIOACCUMULATE TO ANY SIGNIFIGANT DEGREE IN MAMMALS OR IN OTHER ORGANISMS. ECOTOXICITY: THIS PRODUCT IS TOXIC TO AQUATIC INVERTABRATES. DRIFT OR RUN-OFF MA Y ADVERSELY AFFECT AQUATIC INVERTABRATES AND NON-TARGET PLANTS.

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

Waste Disposal Methods:PESTICIDE WASTES ARE TOXIC. IMPROPER DISPOSAL IS A VIOLATION OF FEDERAL LAW AND MAY CONTAMINATE GROUNDWATER. IF PRODUCT CANNOT BE DISPOSED OF BY USE ACCORDING TO LABEL, CONTACT YOUR STATE PESTICIDE OR ENVIRONMENTAL CONTROL AGENCY OR HAZARDOUS WASTE REPRESENTATIVE AT NEAREST EPA REGIONAL OFFICE FOR G UIDANCE.

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

Transport Information:DOT REGULATED CONTAINER SIZES: 30 GAL, 55 GAL, 220 GAL, (ALL SMALLER CONTAINER SIZES ARE NOT DOT REGULATED). HAZARD CLASS: 3; UN NUMBER: NA1993; PACKING GROUP: III; GUIDE NUMBER: 128; PROPER SHIPPING NAME: RQ COMBUSTIBLE LIQUID, N.O.S. (CONTAINS KEROSENE, 2,4-D ESTER)

===== Regulatory Information =====

SARA Title III Information:SARA TITLE III SECTION 311/312:

AN IMMEDIATE

AND DELAYED HEALTH HAZARD. A FIRE HAZARD. SARA TITLE III, SECTION 313: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372: 2,4-D 2-ETHYLHEXYL ESTER, CAS# 1928-43-4.

Federal Regulatory Information:REPORTABLE QUANTITY (RQ): 100 LBS OF 2,4-D ACID EQUIVALENT OR APPROXIMATELY 26 GALLONS OF 2,4-D L.V. 4 ESTER. FOR RELEASES GREATER THAN THE RQ, CON

TACT THE NATIONAL

RESPONSE CENTER AT 800-424-8802. EP A REGISTRY NUMBER: 228-139.

State Regulatory Information:NOT PROVIDED

===== Other Information =====

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