

RIVERDALE -- D139R, 2,4-D L.V. 4 ESTER(SEE SUPPL) -- 6840-00-577-4194

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Product Identification
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Product ID:D139R, 2,4-D L.V. 4 ESTER(SEE SUPPL)

MSDS Date:08/29/1997

FSC:6840

NIIN:00-577-4194

Status Code:A

MSDS Number: CLJQT

=== 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

Resp. 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-ZF51

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-ETHYLHEXY) 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 LC5

0 Mixture:ACUTE ORAL LD50 - 1250 MG/KG

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

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

Health Hazards Acute and Chronic:INHALATION: THIS PRODUCT CONTAINS

PETROLEUM DISTILLATES. EXCESSIVE INHALATION MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, NAUSEA, HEADACHE, OR POSSIBLE UNCONSCIOUSNESS. EYE: MAY CAUSE SLIGHT EYE IRRITATION. SKIN: MAY CAUSE MILD SKIN IRRITATION OR DERMAL SENSITIZATION REACTIONS IN SOME IN

DIVIDUALS. HARMFUL IF ABSORBED THROUGH SKIN. PROLONGED OR REPEATED OVEREXPOSURE MAY RESULT IN EFFECTS SIMILAR TO THOSE CAUSED BY INGESTION. INGESTION: MAY CAUSE MUSCLE WEAKNESS, NAUSEA, DARRHEA, AND ABDOMINAL PAIN. FALL IN BLOOD PRESSURE OR MYOTONIA (PROLONGED MUSCULAR SPASM) MAY OCCUR UNDER EXTREME EXPOSURE CONDITIONS. CAN BE FATAL.

Explanation of Carcinogenicity:REPEATED/PROLONGED OVEREXPOSURE TO PHENOXY HERBICIDES MAY CAUSE LIVER, KIDNEY, GASTROINTESTINAL/MUSCUL

AR SYSTEM EFFECTS. EPA'S SCIENCE ADVISORY
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:NONSPECIFIC MUSCLE WEAKNESS, LETHARGY, LOSS OF
APPETITE, ABDOMINAL PAIN, HEADACHE, OR SHORTNESS OF BREATH.
Medical Cond Aggravated by Exposure:SKIN EXPOSURE MAY AGGRAVATE
EXISTING SKIN CONDITIONS. EXPOSURE TO MIST MAY A
GGRAVATE EXISTING
RESPIRATORY CONDITIONS.

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

First Aid:EYE CONTACT: HOLD 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.

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===== 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 FL

AMMABLE VAPORS WHICH, WHEN MIXED WITH AIR, CAN BURN OR BE EXPLOSIVE. FINE MIST OR SPRAY MAY BE FLAMMABLE AT TEMPERATURES BELOW THE FLASH POINT.

===== 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 GALLONS 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 VENTILATED AREAS. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.
Other Precautions:KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN 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. (SEE PRECAUTIONARY STATEMENT ON PRODUCT LABEL)
Eye Protection:FACE SHIELD, SPLASH GOGGLES OR SAFETY GLASSES W/ FRONT, BROW & TEMPLE PROTECTIO
Other Protective Equipment:LONG SLEEVED SHIRT, LONG PANTS, SOCKS AND SHOES. (SEE PRECAUTIONARY STATEMENTS ON PRODUCT LABEL)
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 CLEA

N CLOTHING.

Supplemental Safety and Health

GOURMENT INQUE LTD P/N: RIVERDALE 2,4-DL.V.4 ESTER. 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.

===== 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 Pre

s:2000 MG/M3; ACUTE INHALATION LC50: >5 MG/L. EYE IRRITATION:

MINIMAL IRRITATION. DERMAL IRRITATION: MINIMAL IRRITATION. DERMAL SENSITIZER: IS A SENSITIZER.

===== 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-ORGANISMS. RESEARCH HAS SHOWN THAT 2,4-D DOES NOT

BIOACCUMULATE TO ANY SIGNIFICANT DEGREE IN MAMMALS OR IN OTHER ORGANISMS. ECOTOXICITY: THIS PRODUCT IS TOXIC TO AQUATIC INVERTEBRATES. DRIFT OR RUN-OFF MAY ADVERSELY AFFECT AQUATIC INVERTEBRATES 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 GUIDANCE.

===== 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 COMBUSTIB

LE LIQUID, N.O.S.
(CONTAINS KEROSENE, 2,4-D ESTER)

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===== Regulatory Information =====
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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 REQUIR EMENTS 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, CONTACT THE NATIONAL RESPONSE CENTER AT 800-424-8802 . EPA REGISTRY NUMBER: 228-139.
STATE REGULATORY INFORMATION

State Regulatory Information:NOT PROVIDED

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