

RIVERDALE -- WEEDESTROY AM-40 AMINE SALT -- 6840-00-664-7060

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

Product ID:WEEDESTROY AM-40 AMINE SALT

MSDS Date:02/17/1998

FSC:6840

NIIN:00-664-7060

MSDS Number: CHQJT

=== 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:800-345-3330

Resp. Party Oth

er MSDS Num.:145-1

Chemtrec 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:SP0450-00-M-D046

CAGE:0TNN7

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:SP0450-00-M-D080

CAGE:0TNN7

Company Name:GO

URMET 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:SP0450-99-M-C598
CAGE:0TNN7
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:SP0450-99-M-C905
CAGE:0TNN7
Company Name:GOURMET INQUE LTD
Address:191 STANLEY ST
Box:City:ELK GROVE VILLAGE
State:IL
ZIP:60007-1555
Country:US
Phone:847-2
96-6192/FAX: 800-542-1042
Contract Num:SP0450-99-M-NB19
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:2,4-D ACID, DIMETHYLAMINE SALT; DIMETHYLAMINE SALT OF
2,4-DICHLOROPHENOXYACETIC ACID (DMA SALT OF 2,4-D)
CAS:2008-39-1
RTECS #:AG8400000
Fraction by Wt: 47.30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3

In

Product Name: OTHER INGREDIENTS INCLUDING WATER

CAS: 7732-18-5

RTECS #: ZC0110000

Fraction by Wt: 52.70%

Other REC Limits: NONE RECOMMENDED

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

LD50 LC50 Mixture: ACUTE ORAL LD50: 1000 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: ACUTE: INHAL: AVOID INHAL VAP/MIST. MAY IRRITATE RESPIRATORY TRACT OR CAUSE DIZZINESS. EYE: DIRECT/PROLONGED

EXPOSURE TO CONCENTRATED PRODUCT MAY CAUSE CORNEAL OPACITY, IRREVERSIBLE DAMAGE. SKIN: MINIMUM IRRITATION, NOT A DERMAL SENSITIZER. HARMFUL IF ABSORBED THRU SKIN. REPEATED/PROLONGED EXPOSURE MAY CAUSE EFFECTS SIMILAR TO THOSE CAUSED BY INGESTION. INGESTION: CAN BE FATAL. MAY CAUSE MUSCLE WEAKNESS, NAUSEA, VOMIT, ABDOM PAIN, FALL IN BLOOD PRESSURE OR MYOTONIA UNDER EXTREME EXPOSURE CONDITIONS.

Explanation of Carcinogenicity: PER MSDS: NTP/IARC OSHA: NO. EPA CLASS D (NOT CLASS

IFICABLE AS TO HUMAN CARC) FOR 2,4-D.

Effects of Overexposure: NONSPECIFIC: MUSCLE WEAKNESS, LETHARGY, LOSS OF APPETITE, ABDOMINAL PAINS, HEADACHE, OR SHORTNESS OF BREATH.

INGESTION: MUSCLE WEAKNESS, NAUSEA, VOMIT, ABDOM PAIN, FALL IN BLOOD PRESSURE OR MYOTONIA UNDER EXTREME EXPOSURE CONDITIONS.

CHRONIC: REP/PROL OVEREXPO TO PHENOXY HERBICIDES MAY CAUSE LIVER/KIDNEY/GI/MUSCULAR SYSTEM EFFECTS.

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

EXPOSURE TO MIST MAY AGGRAVATE EXISTING RESPIRATORY CONDITIONS.

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

First Aid: EYE: HOLD EYELIDS OPEN, FLUSH W/ STEADY WATER STREAM FOR 15 MINS.

GET MED ATTENTION. INHAL: REMOVE TO FRESH AIR. IF NOT BREATH GIVE

CPR. GET MED ATTN. INGEST: DRINK LARGE QUANTITY OF MILK/EGG

WHITES/GELATIN SOLN OR WATER. GET MED ATTN. AVOID ALCOHOL. DONT

INDUCE VOMITING OR GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. SKIN: WASH

W/ SOAP AND

WATER. IRRITATION PERSISTS GET MEDICAL HELP. NOTE TO DR:
PROBABLE MUCAS AL DAMAGE MAY CONTRAINDICATE GASTRIC LAVAGE. IF
LARGE AMTS INGESTED STOMACH SHOULD BE EMPTIED BY GASTRIC
INTUBATION.

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

Flash Point:NONE,AQU SOLN

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:NP

Upper Limits:NP

Extinguishing Media:USE CO2 OR DRY CHEMICAL FOR SMALL FIRE AND
FOAM,WATER FOG,OR WATER STREAM FOR LARGE FIRES.USE WATER SP
RAY TO
COOL CLOSED CONTAINERS.

Fire Fighting Procedures:WILL PRODUCE TOXIC/NOXIOUS FUMES UNDER EXTREME
FIRE CONDITIONS.USE POSITIVE PRESSURE SELF CONTAINED BREATHING
APPARATUS AND ACID RESISTANT PROTECTIVE CLOTHING. ANY WATER USED TO
EXTINGUISH FIRE SHOULD BE CONTAINED BY DIKING TO PREVENT
CONTAMINATION OF THE PUBLIC WATER SYSTEM.

Unusual Fire/Explosion Hazard:DRUMS OF PROD WILL BURST FROM STEAM
PRESSUE UNDER EXTREME AND PROLONGED FIRE CONDITIONS.

===== Ac
cidental Release Measures =====

Spill Release Procedures:WEAR SUGGESTED SAFETY EQUIPMT WHEN CLEAN LARGE
SPILL. SURROUND W/IMPERVIOUS MATERIAL (LIKE DIRT). PREVENT RUNOFF.
ABSORB W/INERT ABSORB(CLAY GRANULES, WOOD SHAVINGS). CONTAIN ALL
AFFECTED MATL IN A CL OSED MARKED CONTAINR FOR PROPER DISPOSAL.
TREAT AREA WITH DETERGENT AND WATER. SPILLS SUBJECT TO CERCLA
REQMTS, RQ=26 GALLONS.

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

Handling a

nd Storage Precautions:ALWAYS USE ORIGINAL CONTAINER TO STORE
PESTICIDES IN SECURED WAREHOUS OR STORAGE BLDG. DO NOT STORE NEAR
SEEDS, FERTILIZER, INSECTICIDE, FUNGICIDES, FOOD, AND WATER. STORE
AT TEMPS ABOVE 32F.FREEZING DOES NOT ALTER THIS PRODUCT.CONTAONERS
SHOULD BE OPENED IN WELL VENTILATED AREA.

Other Precautions:FREEZE (DOESNT ALTER PROD) REWARM TO 40F, REMIX WELL
BEFORE USE. CONTAINER SHOULD BE OPENED IN WELL VETILATED AREA. KEEP
CONTAINERS TIGHTLY SEALED WHEN N

OT IN USE. DONT STACK CARDBOARD
CASES MORE THAN 2 PALLETS HIGH. EPA REG#:228-148.

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

Respiratory Protection:RESPIRATORY PROTECTION IS NOT NORMALLY REQUIRED.
USE NIOSH/MSHA APPROVED RESPIRATOR WHEN DIRECTLY EXPOSED TO MIST.
Ventilation:OPEN VENTILATION. REDUCE ALL MIST WITH LOCAL EXHAUST.
Protective Gloves:RUBBER, CHEM-RESISTANT GLOVES
Eye Protection:SPLASH GOGGLE, FACESHIELD, SAFETY GLASS W/FRONT, BROW,&
TEMPLE PROTECTION
Other Protective Equipment:LONG SLEEVED SHIRT, LONG PANTS, SOCKS, HOES.
PERSONS ENGAGED IN OPEN POURING MUST WEAR COVERALLS OR CHEMICAL
RESISTANT APRON.
Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING/DRINKING/SMOKING
& AT END OF WORKDAY.REMOVE CLOTHING IMMEDIATELY IF PESTICIDE GETS
INSIDE.WASH THOROUGHLY AND CHANGE INTO CLEAN CLOTHING.
Supplemental Safety and Health
EMPTY CONTAINERS DISPOSAL:TRIPLE RINSE & OFFER FOR RECYCLING, OR
PUNCTURE AND DISPOSE OF IN SANITARY LANDFILL. PLASTIC CONTAINERS
ARE DISPOSABLE BY INCINERATION.

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

HCC:V7
Boiling Pt:>100.C, 212.F
Melt/Freeze Pt:=0.C, 32.F
Decomp Temp:Decomp Text:NP
Vapor Pres:ND
Vapor Density:NP
Spec Gravity:1.161
pH:7.5-8.5
VOC Grams/Liter:9.6
Viscosity:NP
Evaporation Rate & Reference:NP
Solubility in Water:INFINITE IN WATER
Appearance and Odor:DARK BROWN LIQUID,MILD AMINE ODOR
Percent Volatiles by Volume:NP
Corrosion Rate:NP

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS OR ACIDS.

Stability Condition to Avoid: AVOID HEAT CONDITIONS.

Hazardous Decomposition Products: MAY INCLUDE, BUT NOT LIMITED TO
HYDROGEN CHLORIDE AND NITROGEN OXIDES.

Conditions to Avoid Polymerization: WILL NOT OCCUR

===== Toxicological Information =====

Toxicological Information: ACUTE DERMAL LD50 = 1016 MG/KG; ACUTE
INHALATION LC50 > 3

.5 MG/L. EYE IRRITATION = SEVERE (RABBIT); DERMAL

IRRITATION = MINIMAL; DERMAL SENSITIZATION = NOT A SENSITIZER.

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

Ecological: TOXIC TO AQUATIC INVERTEBRATES. DRIFT/RUNOFF MAY ADVERSELY
AFFECT AQUATIC INVERTEBRATES AND NONTARGET PLANTS.

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

Waste Disposal Methods: PESTICIDE WASTES ARE TOXIC. IMPROPER DISPOSAL
EXCESS SPRAY MIXTURE OR RINSATE DISPOSAL IS

A VIOLATION OF FED

LAW, MAY CONTAMINATE GROUNDWATER. IF UNABLE TO DISPOSE PER LABEL,
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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

Transport Information: REGULATED AS: RQ ENVIRONMENTALLY HAZARDOUS
SUBSTANCES, LIQUID, N.O.S (2,4-D SALT), 9, UN3082, III.

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

SARA Title III Information: SEC 311/312: AN IMMEDIATE AND DELAYED HEALTH
HA

ZARD. REPORTABLE QUANTITY (RQ) = 100 LBS OF 2,4-D ACID EQUIVALENT
OR APPROXIMATELY 26 GALLONS OF AM-40. FOR RELEASES GREATER THAN RQ,
CONTACT NATIONAL RESPONSE CENTER AT 800-424-8802

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