

MONSANTO CO -- RODEO EMERGED AQUATIC WEED & BRUSH HERBICIDE -- 6840-01-356-8893

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

Product ID:RODEO EMERGED AQUATIC WEED & BRUSH HERBICIDE

MSDS Date:01/01/1998

FSC:6840

NIIN:01-356-8893

Status Code:A

MSDS Number: CKGNV

=== Responsible Party ===

Company Name:MONSANTO CO

Address:800 N LINDBERGH BLVD

City:ST LOUIS

State:MO

ZIP:63167

Country:US

Info Phone Num:314-694-6

661

Emergency Phone Num:314-694-4000

Resp. Party Other MSDS Num.:800010139

CAGE:76541

=== Contractor Identification ===

Company Name:AMJAY CORP. DBA AMJAY CHEMICALS

Address:11200 WESTHEIMER SUITE 310

Box:218786

City:HOUSTON

State:TX

ZIP:77218-8786

Country:US

Phone:713-492-2000

Contract Num:SP0450-00-M-D826

CAGE:64184

Company Name:MONSANTO COMPANY

Address:800 N LINDBERGH BLVD

Box:City:SAINT LOUIS

State:MO

ZIP:63167

Country:US

Phone:314-694-6661 OR 800-332-3111

CAGE:76541

===== Compositi

on/Information on Ingredients =====

Ingred Name:GLYPHOSATE ISOPROPYLAMINE SALT
CAS:38641-94-0
RTECS #:MC1080000
= Wt:53.8

Ingred Name:INERT INGREDIENTS
= Wt:46.2

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS >5000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE-NO MORE THAN SLIGHTLY IRRITATING
BASED ON TOXICITY STUDI
ES. SKIN-NO MORE THAN SLIGHTLY TOXIC OR
IRRITATING BASED ON TOXICITY STUDIES. INGESTION-NO MORE THAN
SLIGHTLY TOXIC BASED ON TOXICITY STUDIE S. INHALATION-NO MORE THAN
SLIGHTLY TOXIC IF INHALED BASED ON TOXICITY STUDIES.
Explanation of Carcinogenicity:BASED ON RESULTS OF CHRONIC TOXICITY
STUDIES, EPA HAS CLASSIFIED GLYPHOSATE CATEGORY E (NON-CARCINOGENIC
IN HUMANS).
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY M
ANUFACTURER.

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

First Aid:IF INHALED-REMOVE INDIVIDUAL TO FRESH AIR. SEEK MEDICAL
ATTENTION IF BREATHING DIFFICULTY DEVELOPS. NOTE: FOR ADDITIONAL
HUMAN EMERGENCY FIRST AID OR TREATMENT GUIDANCE, CALL COLLECT,
ANYTIME, DAY OR NIGHT (314) 694-4000.

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

Flash Point Method:TCC
Flash Point:NOT COMBUSTIBLE
Autoignition Temp:Autoignition Temp Text:N/D
Exti

Extinguishing Media:USE APPROPRIATE EXTINGUISHING MEDIA FOR EXPOSURE
FIRE.

Fire Fighting Procedures:FIREFIGHTERS OR OTHERS WHO MAY BE EXPOSED TO
MISTS OR PRODUCTS OF COMBUSTION SHOULD WEAR A SELF-CONTAINED
BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. EQUIPMENT SHOULD
BE THOROUGHLY CLEANED AFTER USE.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:LARGE SPILL-LIQUID SPILLS ON FLOOR OR OTHER
IM
PERVIOUS SURFACES SHOULD BE CONTAINED OR DIKED, AND SHOULD BE
ABSORBED WITH ATTAPULGITE, BENTONITE OR OTHER ABSORBENT CLAYS.
COLLECT CONTAMINATED ABSORBENT, PLACE IN PLASTIC LINED METAL DRUM.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE ABOVE 10F TO KEEP FROM
CRYSTALIZING. IF ALLOWED TO CRYSTALLIZE, PLACE IN WARM ROOM AT 68F
FOR SEVERAL DAYS TO REDISSOLVE, THEN MIX
WELL. DO NOT CONTAMINATE
WATER WHEN DISPOSING OF EQUIPMENT WASH WATER. KEEP OUT OF REACH OF
CHILDREN.

Other Precautions:AVOID BREATHING VAPORS OR SPRAY MIST. REMOVE
CONTAMINATED CLOTHING AND WASH BEFORE REUSE. DO NOT CONTAMINATE
WATER WHEN DISPOSING OF EQUIPMENT WASH WATERS. TREATMENT OF AQUATIC
WEEDS CAN LEAD TO OXYGEN DEPLETION OR LOSS DUE TO DECOMPOSITION OF
DEAD PLANTS. THIS OXYGEN LOSS CAN CAUSE FISH SUFFICATION .

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

Respiratory Protection:PRODUCT IS NOT LIKELY TO REPRESENT AN AIRBORNE
EXPOSURE CONCERN DURING NORMAL HANDLING. IF HEAVY MIST OR VAPOR
PRODUCED, RESPIRATORY EQUIPMENT SHOULD BE USED. OBSERVE RESPIRATOR
USE LIMITATIONS SPECIFIED BY NIOSH/MSHA OR THE MANUFACTURER.
RESPIRATORY PROTECTION PROGRAMS MUST COMPLY WITH 29 CFR 1910.134.

Ventilation:NO SPECIAL PRECAUTIONS ARE RECOMMENDED.

Protective Gloves:NOT NORMALLY REQUIRED.

Eye Protection:NOT NORMALLY REQUIRED. AVOID

EYE CONTACT.

Other Protective Equipment:NOT NORMALLY REQUIRED.

Work Hygienic Practices:WASH THOROUGHLY WITH SOAP & WATER AFTER USE.

REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

HCC:T5

Spec Gravity:1.22-1.25

pH:4.6-4.8

Appearance and Odor:COLORLESS SOLUTION; ESSENTIALLY ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED OR UNLINED STEEL CONTAINERS.

Stability Condition to Avoid:STABLE FOR AT LEAST 5 YEARS UNDER NORMAL CONDITIONS OF WAREHOUSE STORAGE. HEATED FACILITIES ARE NOT REQUIRED. STORE ABOVE 10F(-12C) TO KEEP FROM CRYSTALLIZING.

Hazardous Decomposition Products:CONTACT WITH STEEL OR GALVANIZED CONTAINERS MAY PRODUCE HIGHLY FLAMMABLE HYDROGEN GAS.

Conditions t

o Avoid Polymerization:DOES NOT OCCUR. PRODUCT REACTS W/CAUSTICS TO LIBERATE HEAT. THIS IS HEAT OF ACID/BASE NEUTRALIZATION NOT POLYMERIZATION!

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

Toxicological Information:ORAL: PRACTICALLY NON-TOXIC (RAT LD50 >5000 MG/KG). DERMAL: PRACTICALLY NON-TOXIC (RABBIT LD50 >5000 MG/KG). INHALATION: SLIGHTLY TOXIC (RAT 4-HR LC50 >1.3 MG/L; FIFRA CATEGORY III, NOT DOT POISONOUS. EYE IRRITATION: NON-IRRITATING (RABBITS

, 24-HR EXPOSURE: DRAIZE AVERAGE: 0.0/110; EU: CORNEAL OPACITY-0.0 IRIS- 0.0; ERYTHEMA-0.0; CHEMOSIS-0.0. SKIN IRRITATION: PRACTICALLY NON-IRRITATING (RABBITS); 24-HR EXPOSURE;DRAIZE AVERAGE: 0.1/8.0; EU: ERYTHEMA-0.1, EDEMA-0.0.

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

Ecological:96-HR LC50 BLUEGILL >1000 MG/L, PRACTICALLY NON-TOXIC. 96-HR LC50 TROUT >1000 MG/L, PRACTICALLY NON-TOXIC; 48 HR EC50 DAPHNIA = 930 MG/L, PRACTICALLY NON-TOXIC; OR

AL LD50 GOAT 5700 MG/KG,
PRACTICALLY NON-TOXIC. BRAHMAN-CROSS HEFERS WERE GIVEN THE
PRODUCT, BY GAVAGE, AT DAILY DOSES OF 0, 540, 830, 1290 AND 2000
MG/KG FOR 7 CONSECUTIVE DAYS. CRITICAL SIGNS OF TOXICITY, INCLUDING
LOSS OF APPETITE, DI ARRHEA AND DEATH (1290 AND 2000 MG/KG) WERE
OBSERVED AT 830 MG/KG OR ABOVE. THE NO-EFFECT LEVEL WAS CONSIDERED
TO BE 540 MG/KG.

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

Waste Disposal Methods:DISPOSE IN LANDF
ILL APPROVED FOR PESTICIDES
I/A/W FEDERAL, STATE & LOCAL PROCEDURES. DO NOT REUSE CONTAINER.
RETURN TO MONSANTO OR TRIPLE RINSE BEFORE DISPOSAL.

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

Transport Information:DOT PROPER SHIPPING NAME: NOT APPLICABLE. DOT
HAZARD CLASS/ID NUMBER: NOT APPLICABLE. DOT LABEL: NOT
APPLICABLE. US SURFACE FREIGHT CLASSIFICATION: WEED KILLING
COMPOUND, N.O.I.B.N.

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

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SARA Title III Information:HAZARD CATAGORIES UNDER CRITERIA OF SARA
TITLE III RULES (40 CFR PART 370): NOT APPLICABLE. SECTION 313
TOXIC CHEMICAL(S): NOT APPLICABLE.

Federal Regulatory Information:HAZARDOUS CHEMICALS UNDER OSHA HAZARD
COMMUNICATION STANDARD: NOT APPLICABLE. REPORTABLE QUANTITY 9RQ)
UNDER US CERCLA: NOT APPLICABLE. TSCA INVENTORY: ALLCOMPONENTS ARE
ON THE US EPA'S TSCA INVENTOR Y LIST.

State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE
PARTY.

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

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