

ICI AMERICAS INC AGRICULTURAL CHEMICAL DIV -- REWARD AQUATIC AND NON-CROP
HERBICIDE,DIQUAT HERBICIDE -- 6840-00-815-2799

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

Product ID:REWARD AQUATIC AND NON-CROP HERBICIDE,DIQUAT HERBICIDE

MSDS Date:04/01/1994

FSC:6840

NIIN:00-815-2799

MSDS Number: BRKTC

=== Responsible Party ===

Company Name:ICI AMERICAS INC AGRICULTURAL CHEMICAL DIV

Address:NEW MURPHY RD AND CONCORD PIKE

City:WILMINGTON

State:DE

ZIP:19897

Country:US

Info Phon

e Num:302-886-1000/800-228-5635 XTN 181

Emergency Phone Num:302-887-3000/800-424-9300(CHEMTREC)

CAGE:7W772

=== Contractor Identification ===

Company Name:EHRlich J C CHEMICAL CO INC

Address:500 SPRING RIDGE DR

Box:City:READING

State:PA

ZIP:19612-3848

Country:US

Phone:610-372-9700/FAX: 610-378-9744

CAGE:8C885

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

CAGE:0TNN7

Company Name:ICI AMERICAS

INC AGRICULTURAL CHEMICAL DIV

Address:NEW MURPHY RD AND CONCORD PIKE

Box:City:WILMINGTON

State:DE

ZIP:19897

Country:US

Phone:302-886-3000/800-424-9300(CHEMTREC)

CAGE:7W772

Company Name:ZENECA AG PRODUCTS

Address:1800 CONCORD PIKE

Box:751

City:WILMINGTON

State:DE

ZIP:19897

Country:US

Phone:302-886-3000 OR 800-759-2500

CAGE:MO484

===== Composition/Information on Ingredients =====

Ingred Name:DIQUAT DIBROMIDE (SARA III)

EC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG/M3 TDUST;9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:INERT (PROPRIETARY & NON-HAZ PER MSDS)
Fraction by Wt: 64.7%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD 50 ORAL RAT IS 600 MG/KG (FEMALE)
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:
CONTACT WITH EYES MAY CAUSE
IRRITATION AND PROLONGED (WEEKS) IMPAIRED VISION. MODERATELY TOXIC
BY ABSORPTION, HOWEVER ABSORPTION RATE IS SLOW. MODERATELY TOXIC TO
INTERNAL ORGANS IF INHALED, HOWEVER VAPOR PRESSURE IS LOW AND
INHALATION HAZARD IS SMALL. SLIGHTLY TOXIC BY INGESTION. CHRONIC:
IRRITATION, DERMATITIS
Explanation of Carcinogenicity:PRODUCT CONTAINS A CHEMICAL KNOWN TO
STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER
REPRODUCTIVE HARM.

Effects of
Overexposure:EYES: PAIN, TEARS, SWELLING, REDNESS, BLURRED
VISION. SKIN: PROLONGED CONTACT MAY CAUSE IRRITATION,
SENSITIZATION, SKIN DAMAGE. INHALATION: HEADACHE, NOSE BLEED, SORE
THROAT, COUGHING. INGESTION: NAUSEA, VOMITING, ABDOMINAL PAIN,
SEVERE IRRITATION OF MOUTH, THROAT AND ESOPHAGUS. THESE CAN BE
FOLLOWED BY KIDNEY FAILURE.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH DAMAGED SKIN MAY
BE AT INCREASED RISK FROM EXPOSURE. A SENSITIZED INDIVIDUAL SHOULD

NOT BE EXPOSED TO THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF
IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER
WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION: REMOVE
VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR.
INGESTION: GIVE 1 OR 2 GLASSES OF WATER IF CONSCIOUS. DO NOT INDUCE
VOMITING. SEE DOCTOR IMMEDIATELY.

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

Flash Point:DOES NOT FLASH

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, DRY CHEMICAL,
HALOGENATED AGENTS.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH
FULL FACEPIECE & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:POSSIBLE TOX SMOKE/VAP/FALLOUT/RUNOFF
WATER CAN RESULT FROM FIRES DEPENDING EXTENT OF COMBUST & PRESENCE
OF OTHER COMBUST MATL.DECONTAMIN BUILD/EQPMT BEF REUSE.

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

Spill Release Procedures:WEAR AIRSUPPLIED RESP/PPE/ADEQ VENTI.PREVENT
ENTERING SEWER/WATERWAYS.USE ABSORBENT(CLAY).SHOVEL INTO OPEN
DRUM.COVER AREA W/HOUSEHOLD DETERGENT MAKING SLURRY W/WATER.SPREAD
AGAIN ABSORBENT MATL.RINSE W/WATER & COLLECT W/ABSORBENT.SEAL DRUM
& DISPOSE

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

Handling and Storage Precautions:STORE IN COOL DRY WELL VENTI AREA AWAY
FROM F

LAMM MATL & HEAT/FLAME SOURCES.PREVENT PHYS DAMAGE TO
CNTNRS.AVOID BREATH VAP/AEROSOLS & EYE/SKIN CONTACT

Other Precautions:DO NOT STORE NEAR FEED/FOOD/ W/IN REACH OF CHILDREN.
EMPTY CNTNR RETAIN RESIDUE.OBSERVE ALL HAZ PRECAUTIONS.DO NOT REUSE
EMPTY CNTNR.REMOVE ALL PROD RESIDUE & PUNCTURE.WORKER SHOULD
SHOWER/CHANGE CLOT HS AFT SHIFT.DON'T EXPO SENS INDIV TO PR

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

Respiratory Protection:NO SPECIAL RESP PROTECTIO
N IS NORMALLY

REQUIRED.IF CONC IS SPILLED & ALLOWED TO STAND CAN DRY TO HIGHLY
IRRIT DUST.WEAR NIOSH/ NIOSH APPROVED PESTICIDE RESP IF THERE IS A
RISK OF EXPO TO SPRAY MIST/ D UST.

Ventilation:PRODUCT IS INTENDED FOR OUTDOORS USE. IF USE CONDITIONS ARE
DIFFERENT, USE ADEQUATE VENTILATION TO MAINTAIN SAFE LEVELS.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:CHEMMGOOGGLES &/OR FACESHIELD

Other Protective Equipment:ADEQUATE SUPPLY OF CLEAN POTABLE WATER FOR
FLUSHING SKIN/EY

ES.PROT CLOTHING TO PREVENT SKIN
CONTACT(HAT,FOOTWEAR,ETC).

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. WASH
SEPARATELY.

Supplemental Safety and Health

NOTE TO PHYSICIAN: CALL 1-800-327-8633 TO OBTAIN MEDICAL INFORMATION.
TREATMENT FOR DIQUAT POISONING MUST BEGIN IMMEDIATELY. BIND DIQUAT
WITH SUSPENSION OF ACTIVATED CHARCOAL OR BENTONITE CLAY. ADMINI
STER CATHARTICS. REMOVE DIQUAT FROM BLOOD WITH CH

ARCOAL

HEMOPERFUSION OR CONTINUOUS DIALYSIS.

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

HCC:T6

Spec Gravity:1.22-1.27 @20C

pH:6-7.5

Solubility in Water:COMPLETE

Appearance and Odor:DARK BROWN LIQUID. ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIS, AND ANIONIC WETTING AGENTS SUCH AS ALKYL AND ALKYLARYL
SULFONATES. CORROSIVE TO ALUMINUM.

Stability Condition to Avoid:HIGH H

EAT, OPEN FLAMES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, TOXIC
OR IRRITANT VAPORS.

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

Waste Disposal Methods:PROD TOXIC BY INHAL/SKIN ABSORPTION & TOXIC TO
FISH/WILDLIFE.DO NOT CONTAMIN WATERWAYS BY CLEANING EQMPT/DISPOSAL
OF WASTE/UNTREATED EFFLUENT.DISCARDED PROD NOT HAZ WASTE UNDER
RCRA.DISPOSAL SHOULD BE IAW LOC/STATE/FED REGS.EPA
REGISTR#:10182-353.

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