

CORNELL CHEMICAL -- VALENT DIQUAT HERBICIDE - H/A -- 6840-01-005-7523

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

Product ID:VALENT DIQUAT HERBICIDE - H/A

MSDS Date:12/22/1990

FSC:6840

NIIN:01-005-7523

MSDS Number: BWCYT

=== Responsible Party ===

Company Name:CORNELL CHEMICAL

Address:5185 RAYNOR AVENUE

City:LINTMICUM HEIGHTS

State:MD

ZIP:22090-1434

Country:US

Info Phone Num:800-457-2022/415-233-3737

Emerge

ncy Phone Num:800-457-2022/415-233-3737

CAGE:9T635

=== Contractor Identification ===

Company Name:CORNELL CHEMICAL AND EQUIPMENT CO

Address:5185 RAYNOR AVENUE

Box:City:LINTHICUM HEIGHTS

State:MD

ZIP:22090-1434

Country:US

CAGE:9T635

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

Ingred Name:DIQUAT (SARA III)

CAS:85-00-7

RTECS #:JM5690000

Fraction by Wt: 35.3% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 MG/M3

ACGIH TLV:O.5 MG/M3 TDUST;9394

EPA Rpt Qty:1000 LBS

DOT Rpt

Qty:1000 LBS

Ingred Name:ETHYLENE DIBROMIDE (SARA III)

CAS:106-93-4

RTECS #:KH9275000

Fraction by Wt: < 0.1% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:20 PPM; Z-2

ACGIH TLV:S, A2; 9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:INERT MATERIALS

Fraction by Wt: 64.7% %

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RATS): 810 MG/KG

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

Reports of Carcino

genicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:MAY CAUSE MODERATE EYE IRRITATION AND
COULD CAUSE PROLONGED IMPAIRMENT OF VISION. MAY CAUSE MINOR SKIN
IRRITATION. REPEATED SKIN CONTACT MAY BE HARMFUL. MAY BE ABSORBED
THROUGH THE SKIN. IF SUBSTANCE IS ALLOWED TO DRY TO IRRITATING
DUST, IT MAY CAUSE RESPIRATORY TRACT IRRITATION. MODERATELY TOXIC
UPON INGESTION.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS EDS WHICH MAY
REASONABLY BE ANTICIP
ATED TO BE A CARCINOGEN.

Effects of Overexposure:EYES: PAIN, TEARS, SWELLING, REDNESS, BLURRED
VISION. SKIN: IRRITATION, ABSORPTION RESULTING IN INJURY TO
INTERNAL ORGANS, PRIMARILY THE KIDNEYS. INHALATION: HEADACHE,
NOSEBLEED, SORE THROAT, COUGHING . INGESTION: NAUSEA, VOMITING,
ABDOMINAL PAIN, SEVERE IRRITATION OF THE MOUTH, THROAT AND
ESOPHAGUS, KIDNEY FAILURE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures

=====

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IN HALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: IMMEDIATELY INDUCE VOMITING BY GIVING WATER OR MILK TO DRINK AND INSERTING FINGER DOWN THROAT. CONTACT PHYSICIAN.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, FOAM
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:DO NOT USE DIRECT STREAM OF WATER ON FIRE. TOXIC GASES ARE RELEASED DURING COMBUSTION.

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

Spill Release Procedures:DO NOT APPLY DIRECTLY TO WATER. DO NOT DISCHARGE TO LAKES, STREAMS, PONDS OR PUBLIC WATERS UNLESS IN ACCORDANCE WITH AN NPDES PERMIT. CLEAN UP IMMEDIATELY USING PROPER PPE. COVER WITH ABSORBENT CLAY OR LOAM SOIL. SCRUB WITH DETERGENT AND RINSE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP PESTICIDE IN ORIGINAL CONTAINER.
DO NOT STORE OR TRANSPORT NEAR FOOD OR FEED.
Other Precautions:AVOID SKIN CONTACT. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:NOT NORMALLY REQUIRED.
Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE LEVELS.
Protective Gloves:IMPERVIOUS
Eye Protection:SAFETY GLASSES OR GOGGLES
Other Protective Equipment:PROTECTIVE CLOTHING AS RE

REQUIRED TO AVOID

SKIN CONTACT. AN EMERGENCY EYE WASH STATION AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:V1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.22 -1.27

Evapor

ation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:DARK BROWN ODORLESS LIQUID

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIS, ANIONIC WETTING AGENTS E.G., ALKYL AND ALKYLARYL SUFONATES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims

all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.