

AMERICAN CYANAMID CO -- ARSENAL HERBICIDE -- 6840-01-356-8902

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

Product ID: ARSENAL HERBICIDE

MSDS Date: 03/16/1993

FSC: 6840

NIIN: 01-356-8902

MSDS Number: CJKWV

=== Responsible Party ===

Company Name: AMERICAN CYANAMID CO

Address: ONE CYANAMID PLAZA

City: WAYNE

State: NJ

ZIP: 07470-4028

Country: US

Info Phone Num: 201-831-2000

Emergency Phone Num: 201-835-3100

Resp. Party O

ther MSDS Num.: AG0910107-3

CAGE: 05870

=== Contractor Identification ===

Company Name: AMERICAN CYANAMID CO

Address: ONE CYANAMID PLAZA

Box: City: WAYNE

State: NJ

ZIP: 07470-4028

Country: US

Phone: 201-831-2000

CAGE: 05870

Company Name: AMERICAN CYANAMID CO

Box: 400

City: PRINCETON

State: NJ

ZIP: 08540

Country: US

CAGE: 3A970

Company Name: AMERICAN CYANAMID CO

Address: 697 RT 46

Box: City: CLIFTON

State: NJ

ZIP: 07015

Country: US

Phone: 973-683-2000

CAGE: 70361

Company Name: AMERICAN CYANAMID CO, DAVIS AND GECK DIV

Address

LD50 LC50 Mixture:LD50 (ORAL RAT) IS >5,000 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE-MAY CAUSE EYE AND SKIN

IRRITATION. MAY IRRITATE THE RESPIRATORY TRACT. IT IS SLIGHTLY TOXIC IF INGESTED. CHRONIC-NO INFORMATION GIVEN BY MFR ON MSDS.

Explanation of Carcinogenicity:IMAZAPYR IS NOT LISTED AS A HUMAN

CARCINOGEN BY IARC, OSHA OR NTP, NOR IS THE ISOPROPYLAMINE SALT. IS

OPROPYLAMINE SALTS PRESENT IN THIS FORMULATION IS NOT LISTED AS A HUMAN CARCINOGEN BY THE IARC, OSHA OR NTP.

Effects of Overexposure:EYE AND SKIN IRRITATION. DUST/MIST MAY IRRITATE THE RESPIRATORY TRACT. IT IS SLIGHTLY TOXIC IF INGESTED.

Medical Cond Aggravated by Exposure:A KNOWLEDGE OF THE AVAILABLE TOXICOLOGY INFORMATION & OF THE PHYSICAL & CHEMICAL PROPERTIES OF THE MATERIAL SUGGESTED THAT OVEREXPOSURE IS UNLIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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

First Aid:IF ON SKIN: WASH SKIN WITH PLENTY OF SOAP & WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. IF IN EYES: FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. IF SWALLOWED : DRINK 2 GLASSES WATER, INDUCE VOMITING IF THE PERSON IS CONSCIOUS. OBTAIN MEDICAL ATTENTION PROMPTLY. IF INHALED: REMOVE SUBJECT TO FRESH AIR. NOTE TO PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE. TREAT MENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS & THE CLINICAL CONDITION.

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

Flash Point Method:SCC

Flash Point:>98.9C, 210.F

Autoignition Temp:>93.3C, 200.F

Extinguishing Media:USE WATER, ALCOHOL FOAM, DRY CHEMICAL OR CO2 TO EXTINGUISH FIRES.

Fire Fighting Procedures:WEAR SELF CONTAINED, POSITIVE PRESSURE BREATHING APPARATUS AND FULL FIRE FIGHTING PROTECTIVE CLOTHING. EVACUATE NON-ESSENTIAL PERSONNEL.

USE AS LITTLE WATER AS POSSIBLE.

DIKE AREA TO PREVENT PESTICIDE RUNOFF. USE SPRAY OR FOG-SOLID
STREAM MAY CAUSE SPREADING.

Unusual Fire/Explosion Hazard:USE WATER SPRAY OR FOG, AS STREAM MAY
SPREAD FIRE. AVOID BODILY CONTACT WITH THE MATERIAL. AVOID
BREATHING DUSTS, VAPORS AND FUMES FROM BURNING MATERIALS. CONTROL
RUN-OFF WATER-IF WATER ENTERS A DRAIN AGE SYSTEM, ADVISE THE
AUTHORITIES DOWNSTREAM.

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

Sp

Spill Release Procedures:WEAR APPROPRIATE PROTECTIVE CLOTHING &
PERSONAL PROTECTIVE EQUIPMENT. KEEP AWAY FROM DRAINS, SURFACE &
GROUND WATER, & SOIL. DIKE SPILL AREA TO PREVENT SPILL FROM
SPREADING. ABSORB SPILLS WITH AN INERT ABSORBENT SUCH AS GRANULAR
CLAY OR SAWDUST. SHOVEL OR SWEEP THE ABSORBED SPILL INTO COVERED
CONTAINERS FOR PROPER DISPOSAL. "SEE OTHER INFORMATION"

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

Handling and Storage Precautions:DO NOT
CONTAMINATE WATER, FOOD, OR

FEED BY STORAGE OR DISPOSAL. STORE IN SECURE, DRY, WELL VENTILATED
SEPARATE ROOM, BUILDING OR COVERED AREA. NOT FOR USE OR STORAGE IN
OR AROUND THE HOME. KEEP AWAY FROM SOURCES OF IGNITION & PROTECT
FROM EXPOSURE TO FIRE & HEAT. SEGREGATE FROM OXIDIZERS.

Other Precautions:EMPTY CONTAINERS OR LINERS MAY RETAIN SOME PRODUCT
RESIDUES. DO NOT REUSE. TRIPLE RINSE THE CONTAINER OR LINER
THOROUGHLY & RENDER IT UNUSABLE BY CRUSHING OR PUNCTURING. DIS-
POSE
OF BOTH THE CONTAINER & THE RINSE IN A SAFE MANNER. "SEE
SUPPLEMENTAL DATA"

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

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES TO PREVENT CONTACT WITH THE
SKIN.

Other Protective Equipment:FOR END-USERS, REFER TO PRODUCT LABEL FOR
PERSONAL PROTECTIVE CLOTHING/EQUIPMENT IF REQUIRED.

Work Hygienic Practices:PREVENT CONTACT WITH SKIN. WASH THOROUGHLY WITH
SOAP AND WATER AFTER HANDLING. REMOVE CONTAMINATED CLO

THING AND

LAUNDER BEFORE REUSE.

Supplemental Safety and Health

IT IS THE ULTIMATE RESPONSIBILITY OF THE WASTE GENERATOR TO DETERMINE AT THE TIME OF DISPOSAL WHETHER THIS PRODUCT &/OR "EMPTY" CONTAINER RESIDUE MEETS ANY HAZARDOUS WASTE CRITERIA.

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

HCC:T5

NRC/State Lic Num:NONE

Spec Gravity:1.04 - 1.07

pH:6.6 - 7.2

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR BLUE LIQUID, SLIGHT AMMONIUM ODOR

Percent Volatiles

by Volume:71

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AND REDUCING AGENTS. CORROSIVE TO MILD STEEL AND BRASS.

Stability Condition to Avoid:NO INFORMATION GIVEN BY MFR ON MSDS.

Hazardous Decomposition Products:COMBUSTION MAY PRODUCE OXIDES OF CARBON AND NITROGEN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Infor

mation:TOXICOLOGICAL DATA ON THIS PARTICULAR

FORMULATION IS NOT AVAILABLE. HOWEVER, DATA FROM A SIMILAR FORMULATION PRODUCT HAVE SHOWN THE FOLLOWING; THE ACUTE ORAL LD50 FOR BOTH MALE & FEMALE ALBINO RATS IS >5,000 MG/KG INDICATING THAT THIS MATERIAL IS NO MORE THAN SLIGHTLY TOXIC IF INGESTED. THE ACUTE DERMAL LD50 FOR BOTH MALE & FEMALE ALBINO RABBITS IS >2148 MG/KG INDICATING THAT THIS MATERIAL IS NO MORE THAN SLIGHTLY TOXIC BY SINGLE SKIN APPLICATION. THIS FORMUL

ATION MAY BE IRRITATING TO THE

RABBIT EYE & MILDLY IRRITATING TO THE RABBIT SKIN.

TERATOGENICITY-NO TERATOGENIC OR FETOTOXIC EFFECTS WERE FOUND AT ALL DOSE LEVELS TESTED MICE.

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

Waste Disposal Methods:TO AVOID DISPOSAL, ALL ATTEMPTS SHOULD BE MADE TO USE THIS PRODUCT COMPLETELY, IN ACCORDANCE WITH ITS REGISTERED USE. IF THIS IS NOT POSSIBLE, HANDLE WITH CARE, & DISPOSE IN A SAFE MANNER. FOLLOW ALL APPLIA

BLE COMMUNITY, NATIONAL OR REGIONAL REGULATIONS REGARDING WASTE MANAGEMENT METHODS. " SEE OTHE R PRECAUTIONS".

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

SARA Title III Information:SECTION 311 AND 312 HAZARD CATEGORIES:
IMMEDIATE HEALTH HAZARD-Y DELAYED HEALTH HAZARD-N FIRE HAZARD-N
REACTIVE HAZARD-N SUDDEN PRESSURE RELEASE HAZARD-N. SECTION 302
EXTREMELY HAZARDOUS SUBSTANCES-NO NE. SECTION 313 TOXIC
CHEMICALS-NONE. CERCLA REPORTABLE QUANTITY
ARSENAL HERBICIDE-NONE
KNOWN.

Federal Regulatory Information:RCRA HAZARDOUS WASTE CODE(S) AND
STATEMENT(S) ARSENAL HERBICIDE-NONE KNOWN. IT IS THE RESPONSIBILITY
OF THE WASTE GENERATOR TO DETERMINE IF ANY HAZARDOUS WASTE CODE(S)
APPLY, PRIOR TO DISPOSAL.

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

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