

AMERICAN CYANAMID CO., SHULTON PRODUCTS GROUP -- ARSENAL HERBICIDE --
6840-01-356-8902

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

Product ID: ARSENAL HERBICIDE

MSDS Date: 03/26/1990

FSC: 6840

NIIN: 01-356-8902

MSDS Number: BNVFP

==== Responsible Party ====

Company Name: AMERICAN CYANAMID CO., SHULTON PRODUCTS GROUP

Address: 697 RT 46

City: CLIFTON

State: NJ

ZIP: 07015

Country: US

Info Phone Num: 201-835-3100

Emergenc

y Phone Num: 201-835-3100

CAGE: 70361

==== Contractor Identification ====

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: B.L. MITCHELL

CAGE: 00CJ6

Company Name: EMULTEC INC

Address: 1150 HAYDEN DR SUITE 100

Box: City: CARROLLTON

State: TX

ZIP: 75006

Country: US

Phone: 972-417-1288

CAGE: 0HD15

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

Ingred Name: ISOPROPYLAMINE SALT OF IMAZAPYR

Fraction b

y Wt: 27.6%
Other REC Limits:NONE SPECIFIED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:INERT INGREDIENTS
Fraction by Wt: 72.4%
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS > 5000 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. DUST MAY
Y IRRITATE THE RESPIRATORY TRACT. IT IS SLIGHTLY
TOXIC IF INGESTED. CHRONIC- NONE KNOWN.
Effects of Overexposure:MAY CAUSE EYE AND SKIN IRRITATION. DUST MAY
IRRITATE THE RESPIRATORY TRACT. IT IS SLIGHTLY TOXIC IF INGESTED.
Medical Cond Aggravated by Exposure:UNLIKELY

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

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP &
WATER.
INHALED:REMOVE TO FRESH AIR. ORAL:IF CONSCIOUS, DRINK TWO
GLASSES OF WATER & INDUCE VOMITING. CALL A PHYSICIAN/POISON
CONTROL CENTER IMMEDIATELY. NOTE TO PHYSICIAN:THERE IS NO SPECIAL
ANTIDOTE. TREATMENT SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS &
CONDITIONS.

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

Flash Point Method:SCC
Flash Point:>210F,>99C
Autoignition Temp:Autoignition Temp Text:200F
Extinguishing Media:WATER, ALCOHOL FOAM, DRY CHEMICAL OR
CO2. SOLID
SPRAY MAY CAUSE SPREADING. COOL CONTAINERS WITH WATER SPRAY.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:AVOID BODILY CONTACT WITH THE MATERIAL.
AVOID BREATHING DUSTS, VAPORS AND FUMES FROM BURNING MATERIALS.
DIKE AREA OF FIRE TO PREVENT HERBICIDE RUNOFF.

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

=====

Spill Release Procedures: ABSORB SPILLS WITH AN INERT MATERIAL SUCH AS CLAY OR SAWDUST. THOROUGHLY WASH BODY AREAS WHICH COME INTO CONTACT WITH THIS PRODUCT. CONTAIN SPILL TO KEEP OUT OF SEWERS. PLACE IN A CLOSED CONTAINER FOR DISPOSAL.

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

Handling and Storage Precautions: STORAGE-STORE IN A SECURE, DRY, WELL VENTILATED, SEPARATE ROOM/BUILDING, AWAY FROM SOURCES OF IGNITION, HEAT, FIRE & INCOMPATIBLE MATERIALS.

Other Precautions: CAUTION! COMBUSTIBLE LIQUID. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. NOT FOR USE OR STORAGE IN OR AROUND THE HOME. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection: NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF EXCESSIVE MISTS OR DUSTS PRESENT, A NIOSH-APPROVED MIST/DUST RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, USE SELF-CONTAINED BREATHING APPARATUS.

Ventilation: GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS

Protective Gloves: RUBBER

Eye Protection: CHEMICAL GOGGLES/FACE SHIELD

Other Protective Equipment: EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

FORMULA CHANGED. FOR

PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME NSN.

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

HCC: T5

Spec Gravity: 1.06 - 1.09

pH: 6 - 7.5

Solubility in Water: MISCIBLE

Appearance and Odor: CLEAR, SLIGHTLY VISCOUS, PALE YELLOW TO DARK GREEN LIQUID-SLIGHT AMMONIA ODOR

Percent Volatiles by Volume: 57

===== 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:EXTREME HEAT

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

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE
AND FEDERAL REGULATIONS. IMAZAPYR IS NOT A RCRA HAZARDOUS WASTE.

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.