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MATERIAL SAFETY DATA SHEET

CM 0193

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PBI/GORDON CORPORATION, KANSAS CITY, MO. PHONE 816-421-4070  
AFTER HOURS 913-342-8783

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## ----- SECTION I - PRODUCT IDENTIFICATION -----

\*CASORON\*  
PRODUCT NAME: ACME AGRICULTURAL NOROSAC 4-G DICHLOBENIL HERBICIDE  
EPA REG NO.: 2217-675

## DEPARTMENT OF TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: (14) COMPOUND TREE OR WEED KILLING LIQUID/DRY  
HAZARD CLASSIFICATION: NONE  
NMFC CLASSIFICATION NUMBER: 50320 CLASS: 60  
DESCRIPTION: NONE

## ----- SECTION II - HAZARDOUS COMPONENTS -----

CAS	INGREDIENT	%	TLV-TWA
1194-65-6	2,6-DICHLOROBENZONITRILE (DICHLOBENIL)	4	NE

## ----- SECTION III - PHYSICAL DATA -----

BOILING POINT, 760MM/HG: NA	MELTING POINT: NA
SPECIFIC GRAVITY (H2O=1): NA	FREEZING POINT: NA
VAPOR DENSITY (AIR=1): NA	VAPOR PRESSURE: NA
% VOLATILES BY VOLUME: NA	SOLUBILITY IN H2O: <1
APPEARANCE: BUFF COLOR GRANULES	ODOR: N/A
PH: NA	DENSITY AT 20 C: NA
OCTANOL/PARTITION COEF: NA	VISCOSITY: NA
EVAPORATION RATE (BUTYL ACETATE = 1): NA	

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----- SECTION IV - FIRE AND EXPLOSION HAZARD INFORMATION -----

FLASH POINT (CLOSED CUP) RANGE: NONE

EXPLOSION LIMIT (%): LOWER: NA UPPER: NA

AUTO IGNITION TEMPERATURE: NA

FLAMMABLE LIMITS IN AIR, % BY VOLUME: NA

EXTINGUISHING MEDIA: FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER

LARGE FIRE: WATER SPRAY FOAM OR FOG

SPECIAL FIRE FIGHTING PROCEDURES: 1) WEAR SELF CONTAINED BREATHING APPRATUS AND FULL PROTECTIVE CLOTHING, 2) ISOLATE HAZARD AREA AND DENY ENTRY, 3) STAY UPWIND AND KEEP OUT OF LOW AREAS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: 1) EXTREME HEAT MAY CAUSE RELEASE OF TOXIC CHLORIDE AND NITRIC OXIDE FUMES, 2) RUN OFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION, 3) IN CASE OF WATER POLLUTION, CALL LOCAL AUTHORITIES.

----- SECTION V - HEALTH HAZARD INFORMATION -----

ACUTE ORAL LD50: RAT >3160MG/KG (TECH)

ACUTE DERMAL LD50: TECHNICAL RABBIT 1350MG/KG

PRIMARY DERMAL IRRITATION: CONTACT MAY CAUSE SKIN IRRITATION

PRIMARY EYE IRRITATION: CONTACT MAY CAUSE EYE IRRITATION

INHALATION 4 HR LC50: NA

CHRONIC EFFECTS: INACTIVITY, ANOREXIA, SEDATION, COMA, RESPIRATORY ARREST

EMERGENCY AND FIRST AID PROCEDURES:

EYES: WASH WITH WATER, IF CONDITION PERSISTS CALL A PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER.

INHALATION: MOVE VICTIM TO FRESH AIR, CALL EMERGENCY MEDICAL CARE.

ORAL: IF SWALLOWED CONTACT A DOCTOR IMMEDIATELY.

NOTES TO PHYSICIAN: SYMPTOMATIC THERAPY. BENZONITRILES CAN BE IDENTIFIED IN PLASMA BY GAS-LIQUID CHROMATOGRAPHY. URINE OR BLOOD ANALYSIS MAY HELP TO CONFIRM CHEMICAL ABSORPTION. FOR INGESTIONS OF SMALL AMOUNTS, TREAT WITH: A) SYRUP OF IPECAC OR B) ACTIVATED CHARCOAL OR C) SODIUM OR MAGNESIUM SULFATE.

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----- SECTION VI - REACTIVITY INFORMATION -----

MATERIAL REACTS VIOLENTLY WITH: NONE  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: NONE

INCOMPATIBILITY: EXTREME HEAT

----- SECTION VII - SPECIAL PROTECTION INFORMATION -----

PROTECTIVE EQUIPMENT SHOULD BE USED IN THE MANUFACTURE OR FORMULATION OF THIS PRODUCT, INCLUDING THE FOLLOWING:

RESPIRATORY PROTECTION: WHERE EXPOSURE LIMITS ARE EXCEEDED WEAR A SUITABLE RESPIRATOR (MSHA/NIOSH APPROVED OR EQUIVALENT).

VENTILATION: GOOD VENTILATION OF MFG/PKG AND WAREHOUSE IS ESSENTIAL.

PROTECTIVE CLOTHING: RUBBER GLOVES AND FULL PROTECTIVE CLOTHING

EYE PROTECTION: EYE GOGGLES OR SPLASH SHIELD.

----- SECTION VIII - SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: 1) DO NOT TOUCH SPILLED MATERIAL; 2) WEAR GLOVES AND PROTECTIVE CLOTHING, (SEE SEC. VII); 3) HAVE ADEQUATE VENTILATION OR USE NIOSH APPROVED RESPIRATOR; 4) CONTAIN SPILL, COLLECT INTO DRUM, COVER, MARK AND REMOVE; 5) CLEAN AREA WITH WATER.

LARGE SPILL: 1) DO NOT TOUCH SPILLED MATERIAL; 2) WEAR GLOVES AND PROTECTIVE CLOTHING (SEE SEC. VII); 3) HAVE ADEQUATE VENTILATION, OR USE NIOSH APPROVED RESPIRATOR; 4) CONTAIN SPILL, COLLECT INTO DRUM, COVER, MARK, REMOVE; 5) CLEAN AREA WITH WATER.

WASTE DISPOSAL METHODS: RCRA ID NO. NONE RQ: 100 LB  
DISPOSE OF DOT DRUM AND FLUSH WATER ACCORDING TO EPA APPROVED METHOD.

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----- SECTION IX - SPECIAL PRECAUTIONS -----

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: HARMFUL IF SWALLOWED. DO NOT BREATHE DUST. DO NOT ALLOW CONTACT WITH EYES OR SKIN.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: INDUCE VOMITING BY DRINKING WATER AND TOUCHING BACK OF THROAT WITH FINGER.

IF INHALED: REMOVE TO FRESH AIR.

IF IN EYES: RINSE WITH WATER FOR 15 MINUTES.

IF ON SKIN: WASH WITH SOAP AND WATER.

STORAGE AND DISPOSAL STATEMENTS:

STORAGE: STORE IN ORIGINAL BAG IN A LOCKED STORAGE AREA INACCESSIBLE TO CHILDREN OR PETS. STORAGE AREA SHOULD BE COOL & DRY. KEEP BAG TIGHTLY CLOSED, RESEAL BAG BY ROLLING DOWN TOP TO PRODUCT LEVEL & TAPING OR CLIPPING. DO NOT STORE

PESTICIDE DISPOSAL: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. WASTES RESULTING FROM THE USE OF THIS PRODUCT MAY BE DISPOSED OF ON SITE OR AT AN APPROVED WASTE DISPOSAL FACILITY.

CONTAINER DISPOSAL: COMPLETELY EMPTY BAG INTO APPLICATION EQUIPMENT. THEN DISPOSE OF EMPTY BAG IN A SANITARY LANDFILL OR BY INCINERATION, OR IF ALLOWED BY STATE AND LOCAL AUTHORITIES, BY BURNING. IF BURNED, STAY OUT OF SMOKE.

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