

AMERICAN DEVELOPMENT CORPORATION -- HYDROCHLORIC ACID -- 6810-00-236-5665

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Product Identification
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Product ID:HYDROCHLORIC ACID

MSDS Date:09/01/1988

FSC:6810

NIIN:00-236-5665

MSDS Number: BDLTK

=== Responsible Party ===

Company Name:AMERICAN DEVELOPMENT CORPORATION

Address:HIGHWAY 118 WEST, ROUTE 2

Box:667

City:VANCEBORO

State:NC

ZIP:28586

Country:US

Info Phone Num:919-244-0782

Emergenc

y Phone Num:800-624-6938

Preparer's Name:W.S. WETHERINGTON

CAGE:3J729

=== Contractor Identification ===

Company Name:AMERICAN DEVELOPMENT CORP

Address:1456 STATE CAMP ROAD

Box:385

City:VANCEBORO

State:NC

ZIP:28586

Country:US

Phone:919-244-0782

CAGE:3J729

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Composition/Information on Ingredients
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Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 37.2%

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9192

EPA Rpt Qty:5000

LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: BALANCE

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Hazards Identification
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LD50 LC50 Mixture:RABBIT ORAL:900MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALE- SORE THROAT, COUGHING,
SHORTNESS OF BREATH. CONC. ABOVE 50 PPM WILL DAMAGE THE UPPER
RESPIRATORY TRACT. SKIN- CORROSIVE, RED
NESS, BURNS. EYES-
CORROSIVE, BURNS, PAIN, BLURRED VISION. INGEST- CORROSIVE TO
ESOPHAGUS AND STOMACH. MAY LEAD TO CONVULSIONS.
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:SEE HEALTH HAZARDS DATA.
Medical Cond Aggravated by Exposure:RESPIRATORY AILMENTS.

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First Aid Measures
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First Aid:INHALE- REMOVE TO FRESH AIR, KEEP UPRIGHT POSITION, PR
OVIDE
OXYGEN, GET MEDICAL AID. SKIN- WASH WITH WATER, GET MEDICAL
ATTENTION. EYES- FLUSH WITH WATER FOR 15 MINS., INCLUDING UNDER THE
LIDS, GET MEDICAL ATTENTION. INGEST- DO NOT INDUCE VOMITING-GET
MEDICAL AID-RINSE MOUTH WITH WATER-DRINK PLENTY OF WATER-GIVE MILK
OF MAGNESIA OR LIME WATER.

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Fire Fighting Measures
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Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:USE SUITABLE MEDIA FOR SURROUNDIN
G FIRE.
Fire Fighting Procedures:USE PROTECTIVE CLOTHING SUITABLE FOR ACIDS AND
SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:FLAMMABLE HYDROGEN GAS IS GENERATED BY
REACTION WITH MANY METALS.

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Accidental Release Measures
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Spill Release Procedures:CONTAIN SPILL OR LEAKS IN PLASTIC CONTAINERS,
DIKES, PONDS, OR RETENTION AREAS WHERE SPILLAGE CAN BE NEUTRALIZED
WITH SODA ASH OR ALKALINE SOLUTIONS. CONSIDER RECOVERY IF PROPER

EQUIPMENT IS AVAILABLE .
Neutralizing Agent:SODA ASH/LIME.

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

Handling and Storage Precautions:STORE IN COMPATIBLE EQUIPMENT. PROVIDE VENTILATION. STORE AWAY FROM ALKALINE MATERIALS, OXIDIZING AGENTS AND BASE METALS.

Other Precautions:KEEP METALS AWAY FROM STORAGE AREAS AS CONTACT MAY CAUSE HYDROGEN GENERATION. STORE IN COOL, DRY AREA.

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

Respirato

ry Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:SUFFICIENT TO CONTROL BELOW TLV REQUIREMENTS. DUE TO LOW FREEZE POINTS THIS MATERIAL IS NORMALLY STORED OUTSIDE.

Protective Gloves:RUBBER, LATEX, PLASTIC

Eye Protection:CHEMICAL SAFETY GOGGLES/SHIELD

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIP
MENT

AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

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

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:182F,83C

Melt/Freeze Pt:M.P/F.P Text:-63F,-53C

Vapor Pres:30

Vapor Density:1.3

Spec Gravity:1.16

pH:< 0.1

Evaporation Rate & Reference:> 1.0 (ETHER=1)

Solubility i

n Water:COMPLETE

Appearance and Odor:COLORLESS TO LIGHT YELLOW FUMING LIQUID WITH A PUNGENT AND SUFFOCATING ODOR.

Percent Volatiles by Volume:100.0

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

Stability Indicator/Materials to Avoid:YES

BASE METALS, METAL OXIDES, ALKALINE MATERIALS, CARBONATES, AMINES, HYDROXIDES.

Stability Condition to Avoid:HEAT SOURCES, CONTACT WITH METALS OR ALKALIS, AND BODY CONTACT.

Hazardous Decomposition Products:HYDROGEN CHLORIDE GAS, HYDROGEN

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. DISPOSAL IS CONTINGENT UPON ALLOWABLE SALT CONCENTRATIONS AND PH IN THE EFFLUENT STREAM.

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