

AMERICAN DEVELOPMENT CORP -- HYDROCHLORIC ACID, 22 DEGREES BAUME, SPECIF --
6810-00-222-9641

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

Product ID:HYDROCHLORIC ACID, 22 DEGREES BAUME, SPECIF

MSDS Date:01/01/1991

FSC:6810

NIIN:00-222-9641

MSDS Number: BKNSS

=== Responsible Party ===

Company Name:AMERICAN DEVELOPMENT CORP

Address:HIGHWAY 118 WEST, ROUTE 2

City:VANCEBORO

State:NC

ZIP:28586

Country:US

Info

Phone Num:919-244-0782

Emergency Phone Num:800-424-9300(CHEMTREC)

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

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

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 31.4%

Other REC Limits:NONE SPECIFIED

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: DAMAGE TO THE UPPER
RESPIRATORY TRACT. EYES AND SKIN: CORROSIVE. INGESTION: CORROSIVE
TO ESOPHAGUS AND STOMACH. MAY LEAD TO CONVULSIONS.
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggrava
ted by Exposure:RISPIRATORY AILMENTS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR, KEEP UPRIGHT POSITION,
PROVIDE OXYGEN, GET MEDICAL AID. SKIN AND EYES: FLUSH WITH WATER
FOR 15 MINUTES, INCLUDING UNDER THE EYELIDS. GET MEDICAL HELP.
INGESTION: DO NO T INDUCE VOMITING, GET MEDICAL ATTENTION. RINSE
MOUTH WITH PLENTY OF WATER. DRINK PLENTY OF WATER, GIVE MILK OF
MAGNESIA OR LIME WATER.

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

Flash Point:NONE
Extinguishing Media:SUITABLE FOR SURROUNDING 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.

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

Spill Release Procedures:CONTAIN SPILL OR LEAKS IN PLASTIC CONTAINERS,
DIKES, PONDS, OR RETENTION A
REAS WHERE SPILLAGE CAN BE NEUTRALIZED.
Neutralizing Agent:SODA ASH OR ALKALINE SOLUTIONS.

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

Handling and Storage Precautions:WEAR EYE, RESPIRATORY AND CLOTHING TO
PROTECT AGAINST ACCIDENTAL SPILLS.
Other Precautions:FOLLOW FEDERAL, STATE, LOCAL AND PERMIT REGULATIONS,
PREPARE FOR EMERGENCIES IN ADVANCE, SUCH AS ACID RESISTANT FLOORS
AND DRAINAGE, NEUTRALIZATION MATERIALS, CONTAINMENT SAND, ETC.

===== Expos

ure Controls/Personal Protection =====

Respiratory Protection:NIOSH APPROVED ACID GAS CHEMICAL CARTRIDGE
RESPIRATOR OR FULL FACE WITH CANISTER. FOR UNKNOWN CONCENTRATIONS
USE APPROVED SELF-CONTAINED BREATHING APPARATUS.

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

Protective Gloves:RUBBER, LAYTEX, PLASTIC.

Eye Protection:SPLASH GOGGLES OR FACE SHIELD.

Other Protective Equipment:DISPOSABLE PLASTIC
SUITS, OR A RUBBER APRON.

Work Hygienic Practices:WEAR EYE, RESPIRATORY AND CLOTHING TO PROTECT
AGAINST ACCIDENTAL SPILLS.

Supplemental Safety and Health

KEEP METALS AWAY FROM STORAGE AREAS AS CONTACT MAY CAUSE HYDROGEN
GENERATION.

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

HCC:C1

Boiling Pt:B.P. Text:144F,62C

Melt/Freeze Pt:M.P/F.P Text:-86F,-66C

Vapor Density:1.3 @ 20C

Spec Gravity:1.179

pH:< 0.1

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS

TO LIGHT YELLOW FUMING LIQUID. PUNGENT
AND SUFFOCATING ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

BASE METALS, 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 GAS.

===== Disposal C

considerations =====

Waste Disposal Methods:DISPOSAL IS CONTINGENT UPON ALLOWABLE SALT
CONCENTRATIONS AND PH IN THE EFFLUENT STREAM.

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