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MONSANTO COMPANY -- MURIATIC ACID;HYDROCHLORIC ACID;31.5% -- 6810-00-823-8010

Product ID:MURIATIC ACID;HYDROCHLORIC ACID;31.5%

MSDS Date:05/01/1986

FSC:6810

NIIN:00-823-8010

MSDS Number: BFRCX === Responsible Party ===

Company Name: MONSANTO COMPANY

Address:800 N. LINDBERGH BLVD

City:ST. LOUIS

State:MO ZIP:63141 Country:US

Info Phone Num:314-694-1000

Emergency

Phone Num:314 694 1000

CAGE:DO969

=== Contractor Identification ===

Company Name: MONSANTO COMPANY

Address:800 N LINDBERGH BLVD

Box:City:SAINT LOUIS

State:MO ZIP:63167 Country:US

Phone:314-694-6661 OR 800-332-3111

CAGE:76541

Company Name: MONSANTO COMPANY

Address:800 N. LINDBERGH BLVD

City:ST. LOUIS

State:MO ZIP:63167

Phone:314-694-1000

CAGE:DO969

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

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

CAS:7647-01-0

RTECS

OSHA PEL:C 5 PPM
ACGIH TLV:C 5 PPM; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
- 1
========== Hazards Identification =============
LD50 LC50 Mixture:LD50 ORAL RABBIT IS 900MG/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:CORROSIVE TO ALL BODY
TISSUES;SKIN AND EYES BURNS;LUNGS,EYES AND STOMACH
DAMAGE;NAUSEA,VOMITING,DIARRAH. CHR
ONIC: DERMATITIS, TISSUES DAMAGE.
Explanation of Carcinogenicity:HYDROCHLORIC ACID IS CLASSIFIED
IARC-3(INSUFFICIENT EVIDENCE-HUMAN).
Effects of Overexposure:INHAL:IRRITATION OF RESP TRACT, COUGHING,
CHOKING;EYES:SEVERE IRRIT,LOSS OF SIGHT;SKIN:SEVERE BURNS.
Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXISTING SKIN AND
RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.
======================================
First Aid:SKIN:REMOVE CONTAM
INATED CLOTHING;WASH WITH SOAP AND
WATER.GET MEDICAL ATTENTION.EYES:FLUSH WITH WATER FOR 15
MINUTES.GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN
OR ARTIFICIAL RESPIRAT ION IF NEEDED.GET MEDICAL
ATTENTION.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED
MEDICAL ATTENTION.IF CONSCIOUS, GIVE WATER OR MILK OR MAGNESIA.
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Extinguishing Media:SELECT THAT SUITABLE FOR SURROUNDING FIRE;USE WATER
SPRAY
Fire Fighting Procedures: USE NIOSH/MSHA APPROVED SCBA WITH FULL
PROTECTION.
Unusual Fire/Explosion Hazard: HYDROGEN, A HIGHLY FLAMMABLE AND EXPLOSIVE

GAS IS GENERATED BY THE ACTION OF THE ACID ON METALS.

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

Spill Release Procedures: USE PROPER PERSONAL PROTECTION; DIKE AREA AND CONTAIN SPILL AND NEUTRALIZE WITH SODA OR LIME, RECOVER AND DILUTE WITH WATER FOR PROPER DISPOSAL.

Neutralizing Agent:SODA ASH,SLAKED LIM

#:MW4025000

Fraction by Wt: 31.5%

E.
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Handling and Storage Precautions:STORE CLOSED CONTAINERS IN CLEAN,COOL,OPEN OR WELL VENTILATED AREAS.KEEP OUT OF SUN.KEEP AWAY FROM OXIDIZING MATERIAL. KEEP CONTAINERS CLOSED. Other Precautions:AVOID CONTACT WITH SKIN AND EYES;DO NOT INHALE VAPORS.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR ACID MIST/ VAPORS. Ventilation
:LOCAL EXHAUST TO MAINTN BELOW TLV.
Protective Gloves:IMPERVIOUS Eye Protection:GOGGLES/FACE SHIELD Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION
Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.
Supplemental Safety and Health HCL IS 31.5% AND 20 BE.
========== Physical/Chemical Properties ==========
HCC:C1 Boiling Pt:B.P. Text:182F,83C
Spec Gravity:1.16 Solubility in Water:COMPLETE Appearance and Odor:COLORLESS TO LIGHT YELLOW FUMING LIQUID WITH A PUNGENT ODOR.
======== Stability and Reactivity Data ========
Stability Indicator/Materials to Avoid:YES METALS,METAL OXIDES,AMINES,CARBONATES &ALKALIESHIGHLY CORRO Stability Condition to Avoid:HEAT OPEN FLAME Hazardous Decomposition Products:H2 FLAMMABLE GAS IS FORMED DURING REACTION WITH MOST METALS
======= Disposal Considerations ===

Waste Disposal Methods:DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

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