

UNKNOWN -- HYDROCHLORIC ACID -- 6810-00-236-5665

Product ID:HYDROCHLORIC ACID

MSDS Date:04/19/1994

FSC:6810

NIIN:00-236-5665

MSDS Number: BTCLM

=== Responsible Party ===

Country:US

Preparer's Name:DGSC-SHH

CAGE:OO314

=== Contractor Identification ===

Box:NONE

Phone:DGSC-SHH DSN 695-4371 804-695-4371

CAGE:OO314

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

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

CAS:7647-01-0

RTECS #:MW4025000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9394

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (RAT, ORAL) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and C

hronic:TARGET ORGANS:LUNGS, EYES, SKIN, GI TRACT. ACUTE- EXTREMELY CORROSIVE TO RESPIRATORY TRACT CAUSING BRONCHITIS, PULMONARY EDEMA. EXCESSIVE INHALATION/INGESTION/SKIN CONTACT MAY CAUSE DEATH. SEVERE BURN S ON SKIN CONTACT. MAY CAUSE SEVERE EYEDAMAGE & BLINDNESS. CHRONIC- TISSUE DESTRUCTION, DERMATITIS, RESPIRATORY ILLNESS

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE EYE, SKIN, RESPIRATORY & GASTROINTESTINAL TRACTS IRRITATION & BURNS, COUGHING, CHEST PAIN, DIFFICULTY IN BREATHING, SEVERE ABDOMINAL PAIN, NAUSEA, VOMITING, COLLAPSE, DEATH

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL CARE IMMEDIATELY IN ALL CASES.
EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 30 MINUTES.
KEEP EYELIDS OPE
N. INHALATION:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. INGESTION:IF CONSCIOUS, DRINK WATER/MILK. DO NOT INDUCE VOMITING.

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

Flash Point:NONE
Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL OR CO2. COOL CONTAINERS EXPOSED TO FIRE 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:MAY EMIT FLAMMABLE/EXPLOSIVE HYDROGEN GAS UPON CONTACT WITH SOME METALS.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. DO NOT RELEASE INTO SOIL, SEWER, STREAM. STOP LEAK IF POSSIBLE. NEUTRALIZE WITH SODA ASH OR LIME. WITH CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN CONTAIN ER FOR DISPOSAL. FLUSH SPILL AREA WITH WATER.

Neutralizing Agent:

SODA ASH, LIME, SODIUM BICARBONATE

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

Handling and Storage Precautions:STORE IN A COOL, WELL VENTILATED PLACE, IN CORROSION-PROOF AREA, AWAY FROM INCOMPATIBLES. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:DANGER! CORROSIVE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPORS/MIST/GAS. USE WITH ADEQUATE VENTILATION. PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. EMPTY CONTAINERS RETAIN RESIDUE .
TREAT CONTAINERS AS IF THEY WERE FULL.

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

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE WHEN PERMISSIBLE EXPOSURE LIMITS ARE EXCEEDED.

Ventilation:PROVIDE GENERAL VENTILATION OR LOCAL EXHAUST TO MEET OSHA PERMISSIBLE EXPOSURE LIMITS (OSHA PEL).

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES & FACE SHIELD

Other Protective Equipment:USE

RUBBER SPLASH APRON AND RUBBER BOOTS.

EYEWASH AND SAFETY SHOWER SHOULD BE LOCATED NEARBY. DO NOT WEAR CONTACT LENSES

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

NO MSDS WAS AVAILABLE FROM MANUFACTURER. THIS MSDS WAS PREPARED BY THE PROFESSIONALS OF DGSC-SHH WITHOUT ANY WARRANTY. IT IS THE USER'S RESPONSIBILITY TO GATHER INFORMATION AND USE THE MATERIAL PROPER LY TO PROTECT EMPLOYEES AND ENVIRONMENT.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

pH: