

GFS CHEMICALS INC -- FLUOBORIC ACID, 48 WT. % SOLUTION IN WATER -- 6810-00-290-0034

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

Product ID:FLUOBORIC ACID, 48 WT. % SOLUTION IN WATER

MSDS Date:03/19/1992

FSC:6810

NIIN:00-290-0034

MSDS Number: BQMCS

=== Responsible Party ===

Company Name:GFS CHEMICALS INC

Address:3041 HOME RD

Box:245

City:POWELL

State:OH

ZIP:43065

Country:US

Info Phone Num:800-858-9682

CAGE:

0TNM0

=== Contractor Identification ===

Company Name:GFS CHEMICALS INC

Address:3041 HOME RD

Box:245

City:POWELL

State:OH

ZIP:43065

Country:US

Phone:740-881-5501;FAX:5989

CAGE:0TNM0

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

Ingred Name:FLUOBORIC ACID

CAS:16872-11-0

RTECS #:ED2685000

Fraction by Wt: 48%

Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =

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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:NO
Health Hazards Acute and Chronic:HARMFUL IF SWALLOWER, INHALED OR
ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE
OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
INHALATION MAY BE FATAL AS A RES ULT OF SPASM, INFLAMMATION AND
EDEMA OFTHE LARYNX AND BRO
NCHI, CHEMICAL PNEUMONITIS AND PULMONARY
EDEMA.
Effects of Overexposure:BURNING SENSATION, COUGHING, WHEEZING,
LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.
Medical Cond Aggravated by Exposure:ASTHMA AND OTHER RESPIRATORY
AILMENTS.

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

First Aid:EYE: FLUSH WITH WATER 15 MINUTES; GET MEDICAL ATTENTION.
SKIN: FLUSH WITH WATER, WASH WITH SOAP AND WATER WHILE REMOVING
CONTAMINATED CLOTHING AND SH
OES. GET MEDICAL ATTENTION. INHALATION:
REMOVE TO F RESH AIR. GET MEDICAL ATTENTION. INGESTION: WASH OUT
MOUTH WITH WATER. NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point:NONE
Extinguishing Media:DRY CHEMICAL POWDER
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
Unusual Fire/Explosion Hazard:EMIT
S TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:EVACUATE AREA. WEAR SELF-CONTAINED BREATHING
APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. ABSORB ON SAND OR
VERMICULITE AND PLACED IN CLOSED CONTAINERS FOR DISPOSAL. VENTILATE
AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
Neutralizing Agent:SODA ASH OR LIME.

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

Handling

and Storage Precautions:KEEP TIGHTLY CLOSED. STORE IN A COOL DRY PLACE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE.

Other Precautions:CORROSIVE. TOXIC. LACHRYMATOR. IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE).

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

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR.

Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.

Protective Gloves:CHEMICA

L-RESISTANT

Eye Protection:SPLASH GOGGLES AND FULL FACE SHIELD.

Other Protective Equipment:EYE WASH & SAFETY SHOWER. ACID RESISTANT CLOTHING WHENEVER SPLASHES ARE POSSIBLE.

Work Hygienic Practices:USE VERY STRICT CHEMICAL HYGIENE PRACTICE. USE EXTREME CAUTION TO AVOID CONTACT. DO NOT WEAR CONTACT LENSES.

Supplemental Safety and Health

NONE

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

HCC:C1

Vapor Pres:5

Vapor Density:3.0

Spec Gravity:1.40

Appearance and Odor:COL

ORLESS LIQUID

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

STRONG BASES

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:HYDROGEN FLUORIDE.

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

Waste Disposal Methods:FOR SMALL QUANTITIES: CAUTIOUSLY ADD TO A LARGE STIRRED EXCESS OF WATER. ADJUST THE PH TO NEUTRAL, SEPARATE ANY INSOLUBLE SOLIDS OR LIQUIDS AND PACKAGE THEM FOR HAZARDOUS WASTE DISPOSAL

. FLUSH THE AQU EOUS SOLUTION DOWN THE DRAIN WITH PLENTY OF WATER.

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