ALLIED CHEMICAL COMPANY -- AMMONIUM FLUORIDE, 40% SOLUTION --
6810-00K000602

Product Identification

Product ID: AMMONIUM FLUORIDE, 40% SOLUTION
MSDS Date: 01/01/1987
FSC: 6810
NIIN: 00K000602
MSDS Number: BCBDQ

Responsible Party

Company Name: ALLIED CHEMICAL COMPANY
Address: COLUMBIA RD & PARK AVE
Box: 1087R
City: MORRISTOWN
State: NJ
ZIP: 07960
Country: US
CAGE: 1L168

Contractor Identification

Company Name: ALLIED CHEMICAL COMPANY
Box: 1087R
CAGE: 1L168
Company Name: ALLIED-SIGNAL INC
Address: Box: 2332R
City: MORRISTOWN
State: NJ
ZIP: 07962-2332
Country: US
Phone: 201-455-4414
CAGE: 1L164

Composition/Information on Ingredients

Ingredient Name: AMMONIUM FLUORIDE (SARA III)
CAS: 12125-01-8
RTECS #: BQ6300000
Fraction by Wt.: 40.0%
OSHA PEL: 2.5 mg F/M3
ACGIH TLV: 2.5 mg F/M3; 9192
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

Hazards Identification

Effects of Overexposure: INH: CHILLS, LABORED BREATH, FEVER/COUGH; ING: MAY BE FATAL, GASTROENTERITIS, SEV SHOCK *SEE SUPPL DATA.

First Aid Measures

First Aid: INH: REMOVE TO FRESH AIR IMMEDIATELY. KEEP WARM/QUIET. GIVE OXYGEN IF NEEDED. CALL MD; ING: DO NOT INDUCE VOMIT. IMMEDIATE GIVE MILK OR MILK OF MAGNESIA. GET MED ATTN; EYES: FLUSH W/WATER FOR 15-20 MIN. GET MED HELP; SKIN: WASH W/WATER FOR 15-20 MIN & GET MED ATTN.
Flash Point: NONE
Extinguishing Media: EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE
Fire Fighting Procedures: WEAR SELF-CNTND BRTHG APP. USE WATER TO COOL EXPOSED CONTNRS
Unusual Fire/Explosion Hazard: NONE NOTED BY MANUFACTURER.

------------------ Accidental Release Measures ------------------

Spill Release Procedures: MOP OR PUMP INTO PLASTIC CONTNRS, CLOSE & LABEL, & STORE IN COOL DRY PLACE UNTIL DISPOSAL TIME. WATER MAY BE USE IAW FED, STATE/LOCAL REGS, TO COMPLETE CLEAN-UP TAKING CARE TO KEEP OUT OF CONTACT W/EYES, SK IN & CLOTHING.

------------------ Handling and Storage ------------------

Handling and Storage Precautions: PROTECT FROM PHYSICAL DAMAGE. STORE AT MOD TEMP IN DRY, WELL VENTILATED AREA. KEEP CAP CLOSED. AVOID CONTACT W/EYES, SKIN & BRTHG OF MIST. USE W/ ADEQ VENTILATION.
Other Precautions: MEDICAL SURVEILLANCE RECOMMENDED. EMPLOYEE TRNG PROPOSED TO BE REQD. HANDLE W/THE KNOWLEDGE THAT HYDROFLUORIC ACID IS PRESENT. DO NOT SPLASH ONTO PERSONNEL. WASH THOROUGHLY AFTER HANDLING.

------------------ Exposure Controls/Personal Protection ------------------

Respiratory Protection: MIST RESP FOR MIST; USE SELF-CNTND RESP SUPPLD-AIR IF TLV >10X2.5MG/C
Ventilation: LOCAL EXHAUST: FOR MISTY COND; MECH(GEN)W/O MISTY CONDITIONS.
Protective Gloves: RUBBER
Eye Protection: CHEM SAFETY GOGG/FACE SHLD
Other Protective Equipment: EYE WASH & QUICK-DRENCH SHOWER FACILITIES.
Supplemental Safety and Health
CARDIAC DISTURB. MAY CAUSE DANG. POISONING; SKIN - MAY CAUSE HF BURN, LIGHT EXPOS TO LIQ/MIST MAY CAUSE DERMATITIS, EYE-SOLN/MIST MAY CAUSE IRRIT OR HF BURN. INGEST - MAY CAUSE OSSEOUS FLUOROSIS.

------------------ Physical/Chemical Properties ------------------

HCC:T6
Boiling Pt: B.P. Text: >212F, >100C
Vapor Pres: 0.5
Vapor Density: 2.21
Spec Gravity: 1.12
Solubility in Water: COMPLETE
Appearance and Odor: CLEAR LIQUID, ODORLESS.
Percent Volatiles by Volume: UNK

------------------ Stability and Reactivity Data ------------------

Stability Indicator/Materials to Avoid: YES STRONG OXIDANT, PARTICULARLY KCLO4 & NANO2.
Stability Condition to Avoid: NONE KNOWN
Hazardous Decomposition Products: NH3, H2,F

------------------ Disposal Considerations ------------------

Waste Disposal Methods: DISPOSAL OF 40% AMM FLUORIDE SOLN MAY BE SUBJECT
TO REGULATORY STATUTES. USERS REVIEW THEIR OPERATIONS FOR APPLICABLE REGS, THEN CONSULT REGULATORY AGENCY BEFORE DISCHARGE/DISPOSAL OF WASTE. DISPOSER MUST COMPLY W/FEDERAL, STATE, LOCAL DISPOSAL LAWS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.