View NSN Online: https://aerobasegroup.com/nsn/6850-00-964-0838

Product ID:FC-77 FLUORINERT BRAND ELECTRONIC LIQUID MSDS Date:07/08/1999 FSC:6850 NIIN:00-964-0838 MSDS Number: BFZLH === Responsible Party === Company Name: MINNESOTA MINING & MFG CO INDUSTRIAL CHEM PRODUCTS Address:3M CTR **City:SAINT PAUL** State:MN Ζ IP:55144 Country:US Info Phone Num:800-364-3577 Emergency Phone Num:612-737-6501 Resp. Party Other MSDS Num.:10-3791-0 CAGE:28112 === Contractor Identification === **Company Name: BALKAMP INC** Address:2601 S HOLT ROAD Box:City:INDIANAPOLIS State:IN ZIP:46241 Country:US Phone:317-244-7241 CAGE:70842 Company Name: MINNESOTA MINING AND MFG CO, DBA 3M Address:3M CENTER BLDG 224-5S-04 Box:City:SAINT PAUL State:MN ZIP:55144-1000 Country:US Phone:866-556 5712 / 612-733-1110 CAGE:76381 Company Name: MINNESOT

A MINING AND MFG CO PERFOMANCE CHEM AND FLUIDS DIV Address:3M CTR Box:City:SAINT PAUL State:MN ZIP:55144-1000 Country:US Phone:800-364-3577/651-737-6501 CAGE:28112 Company Name:NAPA, A DIVISION OF LINCOLN AUTOMOTIVE Address:ONE LINCOLN WAY Box:City:ST. LOUIS State:MO ZIP:63120-1578 Country:US Phone:414-255-5520 CAGE:050Q3 Ingred Name: PERFLUORO COMPOUNDS, C5-18 (PRIMARILY COMPOUNDS WITH 8 CARBONS) CAS:86508-42-1 = Wt:100. Other REC Limits:NONE RECOMMENDED LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN. Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: TARGET ORGANS: EYES, SKIN. ACUTE-EYE/SKIN: CONTACT IS NOT EXPECTED TO RESULT IN SIGNIFICANT IRRITATION. INHALATION:NO ADVERSE EFFECTS ARE EXPECTED UNLESS THE PRODUCT IS OVER HEATED AND DECOMPOS ITION OC CURS. ORAL: INGESTION IS NOT A LIKELY ROUTE OF EXPOSURE TO THIS PRODUCT. PRACTICALLY NON-TOXIC. CHRONIC- UNKNOWN. Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER Effects of Overexposure: DERMAL : MINIMALLY IRRITATING. Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER

First Aid:EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT:

WASH AFFECTED AREA WITH SOAP AND WATER. INHALATION: IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL A PHYSICIAN. INGESTED: NO NEED FOR FIRST AID IS ANTICIPATED.

Flash Point Method:SCC

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEA

R FULL PROTECTIVE CLOTHING, INCLUDING

HELMET, BUNKER PANTS AND COAT, BANDS ON LEGS/ARMS, PROTECTIVE COVERING ON HEAD AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERAT ED IN POSITIVE PRESSURE MODE. NO UNUSUAL EFFECTS ARE ANTICIPATED DURING FIRE EXTINGUISHING OPERATIONS.

Unusual Fire/Explosion Hazard: EXPOSURE TO EXTREME HEAT CAN GIVE RISE TO THERMAL DECOMPOSITION.

Spill Rele

ase Procedures:OBSERVE PRECAUTIONS FROM OTHER SECTIONS. IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICE, PROVIDE EXHAUST VENTILATION FOR LARGE SPILLS OR IN CONFINED SPACES. COLLECT SPILLED MATERIAL WITH AN ABSORBENT. PL ACE IN AN APPROVED CONTAINER. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER

Handling and Storage Precautions:STORE UNDER NORMAL WAREHOUSE CONDITIONS. KEEP AWAY FROM INCOMPATIBLE MATERIALS. NO SM OKING WHILE

USING THIS PRODUCT. SMOKING WHILE USING THIS PRODUCT CAN RESULT IN CONTAMINATION OF THE TOBACCO AND/OR SMOKE AND LEAD TO HAZARDOUS DECOMPOSITION PRODUCTS.

Other Precautions: IF THE PRODUCT IS EXPOSED TO EXTREME CONDITION OF HEAT FROM MISUSE OR EQUIPMENT FAILURE, TOXIC DECOMPOSITION PRODUCTS THAT INCLUDE HYDROGEN FLUORIDE AND PERFLUOROISOBUTYLENE CAN OCCUR.

Respiratory Protection: AVOID BREATHING

OF THERMAL DECOMPOSITION PRODUCTS. SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION IAW OSHA REGULATIONS: HALF-MASK SUPPLIED AIR RESPIRATOR, FULL- FACE SUPPLIED AIR RESPIRATOR. Ventilation: IF HEATED TO DECOMPOSITION: APPRORIATE LOCAL EXHAUST VENTILATION SUFFICIENT TO MAINTAIN LEVELS OF DECOMPOSITION PRODUCTS BELOW THIER EXPOSURE GUIDELINES. Protective Gloves: GLOVES ARE NOT REQUIRED. Eye Protection: WEAR SAFETY GLASSES WITH SIDE SHIELDS. Ot her Protective Equipment: NONE SPECIFIED BY MANUFACTURER. DLA-HMIS: EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT EAT/DRINK WHILE WORKING WITH THIS PRODUCT. Supplemental Safety and Health FOR INDUSTRIAL USE ONLY. NOT INTENDED FOR USE AS A MEDICAL DEVICE OR DRUG. HYDROGEN FLUORIDE HAS AN ACGIH THRESHOLD LIMIT VALUE (TLV) OF 3 PARTS PER MILLION PARTS AIR AND AN OSHA PEL OF **3 PPM FLUORIDE AS** AN 8-HOUR TIME-WEIGHTED AVERAGE AND 6 PPM FLUORIDE AS A SHORT-TERM EXPOSURE LIMIT (STEL). HCC:N1 Boiling Pt:>90.C, 194.F B.P. Text:90-107C Vapor Pres:42 @ 20C Vapor Density:14 Spec Gravity:1.8 Viscosity:0.8 CST @ 20C Evaporation Rate & amp; Reference:>1 (N-BUTYL ACETATE=1) Solubility in Water:NIL Appearance and Odor:COLORLESS LIQUID - ODORLESS Percent Volatiles by Volume:100 ====== Stab Stability Indicator/Materials to Avoid:YES FINELY DIVIDED ACTIVE METALS, ALKALI AND ALKALINE EARTH METALS Stability Condition to Avoid: EXTREME HEAT Hazardous Decomposition Products: MAY FORM CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN FLUORIDE AND PERFLUOROISOBUTYLENE.

Toxicological Information:NONE SPECIFIED BY MANUFACTURER

======== Ecological Information ========

Ecological:BIODEGRADATION: CHEMICAL OXYGEN DEMAND (COD): NIL. 20-DAY BIOCHEMICAL OXYGEN DEMAND (BOD20): NIL. AQUATIC TOXICITY: FATHEAD MINNOW (PIMEPHALES PROMELAS) 96 HR: LL50>1000 MG/L. WATER FLEA (DAPHNIA MAGN A) 48-HR EL50: >1500 MG/L.

Waste Disposal Methods:AS A DISPOSAL ALTERNATIVE, INCINERATE IN THE PRESENCE OF A COMBUSTIBLE MATERIAL IN AN INDUSTRIAL OR COMMERCIAL FACILITY CAPABLE OF HA NDLING HALOGENATED WASTE. RECLAIM IF FEASIBLE. FOR INFORMATION ON P RODUCT RETURN, SEE YOUR DISTRIBUTOR.

Transport Information:TRANSPORTATION INFORMATION: NOT REGULATED FOR ANY MODE OF TRANSPORTATION.

 SARA Title III Information:SARA 311/312 REPORTABLE: NONE.
Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH TH
E REQUIREMENTS OF : TSCA
State Regulatory Information:NONE SPECIFIED BY MANUFACTURER

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