View NSN Online: https://aerobasegroup.com/nsn/6850-00-905-9098

MINNESOTA MINING & MFG CO INDUSTRIAL CHEM PRODUCTS -- FC-77 FLUORINERT BRAND ELECTRONIC LIQUID -- 6850-00-905-9098

Product ID:FC-77 FLUORINERT BRAND ELECTRONIC LIQUID

MSDS Date:08/21/1997

FSC:6850

NIIN:00-905-9098

MSDS Number: BXFRD === Responsible Party ===

Company Name: MINNESOTA MINING & MFG CO INDUSTRIAL CHEM PRODUCTS

Address:3M CTR City:SAINT PAUL

State:MN

7

IP:55144 Country:US

Info Phone Num:800-364-3577/612-737-6501

Emergency Phone Num:800-364-3577/612-737-6501

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 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 O

F LINCOLN AUTOMOTIVE Address:ONE LINCOLN WAY Box:City:ST. LOUIS State:MO ZIP:63120-1578 Country:US Phone:414-255-5520 CAGE:050Q3	
======= Composition/Information on Ingredients ========	
Ingred Name:PERFLUORO COMPOUNDS, (PRIMARILY COMPOUNDS W/ 8 CARBONS) CAS:86508-42-1 Fraction by Wt: 100.0% Other REC Limits:NONE RECOMMENDED	
======================================	
LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:Y ES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:SKIN/EYE:CONTACT DURING PROD USE NOT EXPECTED TO RESULT IN SIGNIF IRRIT.INHAL:HEALTH EFFECTS FRM INHAL NOT EXPECTED UNLESS PROD OVER HEATED & DECOMPO OCCURS.INGEST:NOT LIKELY ROUTE OF EXPO TO THIS PRO DUCT.PROD EXPO TO EXTREME CONDITION OF HEAT FRM MISUSE/EQPMT FAIURE TOXIC DECOMPO PRODUCE INCLUDE HYDROGEN (SIGN/SYMPT) Explanation of Carcinogenicity:NO INGREDIENTS OF A CONCE NTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN. Effects of Overexposure:HEALTH:FLUORIDE & PERFLUOROISOBUTYLENE CAN OCCUR. NONE SPECIFIED BY MANUFACTURER. Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.	
======================================	
First Aid:EYE:IMMED FLUSH W/LOTS OF H2O.GET IMMED MED ATTN.SKIN:WASH AFFECT AREA W/SOAP/H2O.INHAL:SIGN/SYMPT OCCUR REMOVE TO FRESH	

AIR.SIGNS/SYMPT CONT CALL DR.

INGEST:NO NEED FOR 1STAID
ANTICIPATED.PROD NOT EXP ECTED TO IRRIT EYE/SKIN/RESP SYS @RM TEMP
CONDITIONS.THIS ASSESSMENT DOESNT ACCOUNT FOR CONTAM FRM PROD
USE.SUGGEST 1STAID MEASURES BASIC 1STAID MEASURES FOR REMOVAL OF
FOREIGN MATL FRM SKIN &/OR EYE.

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

Flash Point Method:SCC

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONFLA

Lower Limits:NONFLAMM Upper Limits:NONFLAMM

Extinguishing Media: NON-FLAMM

ABLE.

Fire Fighting Procedures:WHEN FIRE FIGHT CONDITIONS SEVERE/TOT THERM DECOMPO OF PROD POSSIBLE WEAR FULL PROT CLOTH INCLUDE HELMET,SELF-CONTAIN +PRESSURE/PRESSURE DEMAND BREATH (SUPPLME) Unusual Fire/Explosion Hazard:EXPOSURE TO EXTREME HEAT CAN GIVE RISE TO THERMAL DECOMPOSITION.

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

Spill Release Procedures:OBSERVE PRECAUT IN MSDS.IAW GOOD INDUST PRACT PROVIDE EXHU VENTI FOR LG SPILL/CONF SPACES.COLLECT SPIL LED MATL

W/ABSORBENT.PLACE IN APPROVED CONTAINER. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage Precautions:STORE UNDER NORMAL WAREHOUSE CONDITIONS.NO SMOKING:SMOKING WHILE USING PROD CAN RESULT IN CONTAM OF TOBACCO/SMOKE/LEAD TO FORAMTION OF HAZ DECOMPO PRO

Other Precautions:SUBSTANCE RESISTANT TO BIODEGRADATION/LIKELY TO PERSIST IN ENVIRO.CMPD COMPLETELY FLUORINATED(PERFLUORINATE

D)/CONTAINS PERFLUORINATED

PORTIONS.PERFLUOROALKYL GROUPS RESIST DEGRADATION IN MOST NAT ENVI RO.

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

Respiratory Protection:AVOID PROL BREATH OF VAP.IF THERM DECOMPO OCCURS AVOID BREATH THERM DECOMPO PRODS.SELECT NIOSH APPROV RESP BASED ON AIRBORNE CONC OF CONTAM & IAW OSHA REGS:HALF-MASK SUPPL AIR RESP,FULL FACE SUPPLIED AIR RESPIRATOR.

Ventilation: WHEN FLUID EXPO TO EXTREME OVERHEAT (MISUSE/EQPMT FAILURE

)USE W/APPROP LOC EXHAU VENTI SUFFI TO MAINTAIN BEL EXPO GUIDELN
Protective Gloves:GLOVES NOT REQUIRED  Eye Protection:WEAR SAF GLASSES W/SIDE SHIELD  Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  Supplemental Safety and Health
FIREFIGHT:APPARATUS,BUNKER COAT,PANTS,BAND AROUND ARMS/WAIST/LEGS,FACEMASK,PROT COVER FOR EXPO AREAS OF HEAD.NO UNUSUAL EFFECTS ANTICIPATED DURING FIRE EXTING OPERATIONS.AVOID BREATHPROD/SU
BST THAT MA Y RESULT FRM THERM DECOMPO OF PROD/OTHER SUBST IN FIRE ZONE.KEEP CNTNR COOL W/H2OSPRAY WHEN EXPO TO FIRE-AVOID RUPTURE.
========== Physical/Chemical Properties ===========
HCC:N1 Boiling Pt:B.P. Text:194F,90C Melt/Freeze Pt:M.P/F.P Text:NA Decomp Temp:Decomp Text:NP Vapor Pres:42 Vapor Density:14 Spec Gravity:1.8 pH:NA Viscosity:0.8CT @20C Evaporation Rate & Reference:>1.0, BUTYL ACETATE=1 Solubility in Water:NIL Appearance and Odor:COLORLESS, ODORLESS LIQUID Percent Volatiles by Volume:100 Corrosion Rate:NP
========= Stability and Reactivity Data ===========
Stability Indicator/Materials to Avoid:YES FINELY DIVIDED ACTIVE METALS, ALKALI AND ALKALINE EARTH METALS. Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. Hazardous Decomposition Products:TOXIC DECOMPOSITION PRODUCTS THAT INCLUDE HYDROGEN FLUORIDE & PERFLUOROISOBUTYLENE CAN OCCUR.
========= Disposal Considerations =============
Wast

e Disposal Methods:AS DISPO ALTERNATIVE INCINERATE IN PRESENCE OF COMBUST MATL IN INDUSTRIAL OR COMMERCIAL FACILITY CAPABLE OF HNDLG HALOGENATED WASTE.RECLAIM IF FEASIBLE.FOR INFO ON PRODUCT RETURN CONTACT YOUR DISTRIBU TOR.REGS VARY CONSULT APPLIC REGS/AUTHOR BEF DISPO

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,

xpressly 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.