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FC-104 FLUORINERT BRAND FLASHTUBE COOLANT

MSDS Number

BDXWZ

National Stock Number

6850-00-408-0547

Product Name

FC-104 FLUORINERT BRAND FLASHTUBE COOLANT

Manufacturer

3M COMPANY

Product Identification

Product ID:FC-104 FLUORINERT BRAND FLASHTUBE COOLANT
MSDS Date:08/20/1996
FSC:6850
NIIN:00-408-0547
MSDS Number: BDXWZ

Responsible Party

3M COMPANY

3M CENTER BLDG 223-3N

SAINT PAUL , MN 55144-0001

US

Emergency Phone: 612-733-5454

Info Phone: 612-733-5454

Cage: 76381

Contractor

MINNESOTA MINING AND MFG CO PERFOMANCE CHEM AND FLUIDS DIV

SAINT PAUL, MN 55144-1000

US

800-364-3577/651-737-6501

Cage: 28112

Ingredients

PERFLUORO COMPOUNDS, C5-18

CAS: 86508-42-1

Fraction By Weight: 100.0%

PRODUCT OF THERMAL DECOMPOSITION! - HYDROGEN FLUORIDE (SARA

CAS: 7664-39-3

RTECS: MW7875000

OSHA PEL3 PPM (F)

ACGIH TLV: C 3 PPM(F); 9495

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

PRODUCT OF THERMAL DECOMPOSITION! - PERFLUOROISOBUTYLENE

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CAS: 382-21-8

RTECS: UD1800000

ACGIH TLV: C 0.01 PPM; 9495

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:USE IS NOT EXPECTED TO RESULT IN SIGNIFICANT IRRITATION. IF PRODUCT IS EXPOSED TO EXTREME HEAT, TOXIC DECOMPOSITION PRODUCTS MAY INCLUDE HYDROGEN FLUORIDE & PERFLUOROISOBUTYLENE.
Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE CARCINOGENIC.
Effects of Overexposure:MFR GAVE NO INFORMATION OF MSDS.
Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION OF MSDS.

First Aid

First Aid:EYES:FLUSH WITH LARGE AMOUNTS OF WATER, IF IRRITATION PERSISTS GET MEDICAL ATTENTION. SKIN:WASH AREA W/SOAP & WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION:MOVE TO FRESH AIR. IF SIG NS/SYMPTOMS CONTINUE, GET MEDICAL ATTENTION. INGESTION:NO NEED FOR FIRST AID IS ANTICIPATED.

Fire Fighting

Flash Point Method:SCC
Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Lower Limits:NONFLAMMABLE
Upper Limits:NONFLAMMABLE
Extinguishing Media:NONFLAMMABLE
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. COOL FIRE EXPOSED CONTAINERS W/WATER.
Unusual Fire/Explosion Hazard:EXPOSURE TO EXTREME HEAT MAY CAUSE THERMAL DECOMPOSITION.

Accidental Release

Spill Release Procedures:PROVIDE EXHAUST VENTILATION FOR LARGE SPILLS OR CONFINED SPACES. COLLECT SPILL W/ABSORBENT & PLACE IN APPROVED CONTAINER.
Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

Handling

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE. DO NOT SMOKE WHILE HANDLING THIS PRODUCT.
Other Precautions:THIS PRODUCT IS FOR INDUSTRIAL USE ONLY. IT IS NOT INTENDED FOR USE AS A MEDICAL DEVICE OR DRUG.

Exposure Controls

Respiratory Protection:AVOID PROLONGED BREATHING OF VAPORS. USE NIOSH APPROVED SUPPLIED AIR RESPIRATOR TO AVOID BREATHING THERMAL DECOMPOSITION PRODUCTS.
Ventilation:USE LOCAL EXHAUST TO KEEP EXPOSURE PRODUCTS WHEN EXTREME OVERHEATING OCCURS.
Protective Gloves:GLOVES NOT REQUIRED
Eye Protection:SAFETY GLASSES W/SIDE SHIELDS.
Other Protective Equipment:MFR GAVE NO INFORMATION OF MSDS.
Work Hygienic Practices:MFR:? HMIS:USE GOOD INDUSTRIAL HYGIENE PRACTICES. MINIMIZE CONTACT & WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
NONE

Chemical Properties

HCC:N1
NRC/State Lic Num:NONE
Boiling Pt:B.P. Text:217F,103C

Melt/Freeze Pt:M.P/F.P Text:N/A.
Vapor Pres:30 MM
Vapor Density:15
Spec Gravity:1.8
pH:N/A.
Viscosity:0.8 CST
Evaporation Rate & Reference:>1 (BUTYL ACETATE=1)
Solubility in Water:NIL
Appearance and Odor:COLORLESS ODORLESS LIQUID.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
FINELY DIVIDED ACTIVE METALS, ALKALI AND ALKALINE EARTH METALS.
Stability Condition to Avoid:HIGHLY STABLE UNLESS SEVERELY OVERHEATED.
Hazardous Decomposition Products:MFR GAVE NO INFORMATION OF MSDS.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

Disposal

Waste Disposal Methods:INCINERRATE IN THE PRESENCE OF COMBUSTIBLE MATERIAL IN AN INDUSTRIAL OR COMMERCIAL FACILITY CAPEABLE OF HANDLING HALOGENATED WASTE. RECLAIM IF FEASIBLE. FOR MORE INFORMATION, CONTACT YOUR DISTRIBUTER.

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