
SKD-NF/ZP-9B DEVELOPER(NEW-SEE SUPPL DATA)

MSDS Number

BFRJX

National Stock Number

6850-00-826-0981

Product Name

SKD-NF/ZP-9B DEVELOPER(NEW-SEE SUPPL DATA)

Manufacturer

MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC

Product Identification

Product ID:SKD-NF/ZP-9B DEVELOPER(NEW-SEE SUPPL DATA)

MSDS Date:08/19/1988

FSC:6850

NIIN:00-826-0981

Kit Part:Y

MSDS Number: BFRJX

Responsible Party

MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC

3624 WEST LAKE AVENUE

GLENVIEW , IL 60025

US

Emergency Phone: 847-657-5300/800-424-9300(CHEMTREC)

Info Phone: 847-657-5300 / 5338 (FAX)

Preparer: BRUCE C. GRAHAM

Cage: KO362

Contractor

MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC

GLENVIEW, IL 60025

US

847-657-5300 / 5338 (FAX)

Cage: KO362

Ingredients

METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS: 71-55-6

RTECS: KJ2975000

Fraction By Weight: 65.0%

OSHA PEL350 PPM/450 STEL

ACGIH TLV: 350 PPM/450STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

CHLORODIFLUOROMETHANE

CAS: 75-45-6

RTECS: PA6390000

Fraction By Weight: 25.0%

OSHA PEL1000 PPM

ACGIH TLV: 1000PPM; 9192

1,4-DIOXANE (DIETHYLENE DIOXIDE) (SARA III)

CAS: 123-91-1

RTECS: JG8225000

Fraction By Weight: 2.0%

OSHA PELS, 100 PPM

ACGIH TLV: S, 25 PPM; 9293

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

UNIDENTIFIED COMPONENTS

Fraction By Weight:

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:IRRITATES EYES BY SOLVENT ACTION

Explanation of Carcinogenicity:1,1,1-TRICHLOROETHANE AND 1,4-DIOXANE ARE TEST TO DETERMINE THE POSSIBLE CARCINOGENICITY,PER MFR.

Effects of Overexposure:INHALATION:CAUSES

DIZZINESS,DROWSINESS,NAUSEA.CAUSES UNCONSCIOUSNESS AT HIGH EXPOSURE; SKIN:NOT ABSORBED THROUGH SKIN IN SIGNIFICANT AMOUNTS.HOWEVER,IRRITATES BY DISSOLVING SKIN OILS; EYES:IRRITATING DUE TO STRONG SOLVENT ACTION; INGESTION:LOW SINGLE DOSE TOXICITY IN TEST ANIMALS.

Medical Cond Aggravated by Exposure:NONE KNOWN TO MANUFACTURER.

First Aid

First Aid:INHALATION:REMOVE TO FRESH AIR.IF NOT BREATHING,GIVE CPR.IF BREATHING IS DIFFICULT,GIVE OXYGEN; SKIN:WASH OFF IN FLOWING WATER OR SHOWER.RMV CONTAMINATED CLOTHING AND WASH BEFORE RE-USE.USE SOOTHING L OTION; EYES:FLUSH EYES WITH A STEADY,GENTLE FLOW OF WATER.GET MEDICAL ASST; INGESTION:DO NOT INDUCE VOMITING.IF VOMIT IS INHALED,IT MAY CAUSE ASPHYXIATION.GET MED ATTN IMMEDIATELY;IN EMERGENCY CALL MD

Fire Fighting

Flash Point:NONE

Extinguishing Media:CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:AEROSOL CANS CAN BURST IF HEATED ABOVE 130F(54.4C)

Accidental Release

Spill Release Procedures:LESS THAN ONE QUART:WIPE UP BUT DO NOT BREATHE VAPORS;ONE QUART OR MORE:WEAR ALL PERSONAL SAFETY EQUIPMENT TO AVOID VAPOR/LIQ CONTACT OR BREATHING.EVACUATE UNPROTECTED PERSONS.ELIMINATE IGN SOURCES.DI KE LIQ.PLACE IN COVERED DRUMS.SEND TO RECLAIMER.

Neutralizing Agent:NOT NOTED BY MFR.

Handling

Handling and Storage Precautions:STORE AWAY FROM HEAT SOURCES TO MINIMIZE THE DANGER FROM EXPOSURE TO FIRES.STORE IN

DRY,COOL,VENTILATED AREA.

Other Precautions:DO NOT USE AROUND FLAMES/RED HOT SURFACES.DO NOT HEAT ABOVE 130F.AVOID BREATHING VAPORS.AVOID FREQUENT/PROLONGED EXPOSURE TO SKIN.

Exposure Controls

Respiratory Protection:IN POORLY VENTILATED AREAS,WEAR A RESPIRATOR WITH CHEMICAL CARTRIDGE.IN CONFINED OR UNVENTILATED SPACES,WEAR A FULL MASK WITH SEPARATE AIR SUPPLY.

Ventilation:GENERAL VENTILATION TO KEEP BELOW LIMITS OF TLV.

Protective Gloves:NITRILE RUBBER GLOVES.

Eye Protection:CHEMICAL SPLASH/FULL GOGGLES.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP & WATER AFTER HANDLING/USE OF:SKD-NF/ZP-9B.

Supplemental Safety and Health

NSN FOR A KIT OF 3 PARTS.PER MIL-I-25135D,TYPE II,METHOD C AND

QPL-25135-15,THE PARTS ARE:PENETRANT(SKL-HF/S OR

SKL-LO),DEVELOPER(SKD-NF/ZP-9B OR SKD-S),AND THE

CLEANER/REMOVER(SKC-NF/ZC-7B);REFERENCE :DGSC-SLM CASE HISTORY

#88281H FOR DETAILS;KEY1:J7;THIS ENTRY

DESCRIBES:SKD-NF/ZP-9B(NE);SEE PNI-B FOR OLD FORMULATION.

Chemical Properties

HCC:V2

Spec Gravity:1.3 (OF LIQUID)

Evaporation Rate & Reference:0.7 (ETHER=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:THIN,WHITE LIQUID BEFORE FILLING IN AEROSOL CANS.

Percent Volatiles by Volume:100%

Stability

Stability Indicator/Materials to Avoid:YES

ALKALI METALS.

Stability Condition to Avoid:HEAT/HIGH TEMPERATURES.

Hazardous Decomposition Products:PHOSGENE,HYDROCHLORIC ACID GAS,& OXIDES OF CARBON.

Disposal

Waste Disposal Methods:DISPOSE OF AS EPA HAZARDOUS WASTE #F002;MAY BE SENT TO SOLVENT RECLAIMER.INSURE THAT AEROSOL CANS ARE EMPTY AND DEPRESSURIZED BEFORE DISCARDING,UNLESS A WASTE TREATMENT FACILITY IS APPROVED TO ACCEPT THEM AS IS.COMPLY WITH FED,ST,& LOCAL REGS.

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