

## **SKD-NF/ZP-9B DEVELOPER (OLD FORMULATION)**

### **MSDS Number**

BDCFQ

### **National Stock Number**

6850-00-145-0255

### **Product Name**

SKD-NF/ZP-9B DEVELOPER (OLD FORMULATION)

### **Manufacturer**

MAGNAFLUX CORP

### **Product Identification**

Product ID:SKD-NF/ZP-9B DEVELOPER (OLD FORMULATION)

MSDS Date:08/19/1988

FSC:6850

NIIN:00-145-0255

Kit Part:Y

MSDS Number: BDCFQ

### **Responsible Party**

MAGNAFLUX CORPORATION

7300 W. LAWRENCE AVENUE

CHICAGO , IL 60656

US

Emergency Phone: 708-867-8000/800-424-9300(CHEMTREC)

Info Phone: 708-867-8000

Preparer: BRUCE C. GRAHAM

Cage: 37676

### **Contractor**

ILLINOIS TOOL WORKS INC MAGNAFLUX DIV

GLENVIEW, IL 60025

US

847-657-5300/

Cage: 37676

### **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: 02.0%

OSHA PELS, 100 PPM

ACGIH TLV: S, 25 PPM; 9293

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

## Hazards

Routes of Entry: Inhalation:YES Skin:NO 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 CURRENTLY UNDER 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 REUSE.USE  
SOOTHING LO TION; 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 DEVELOPER.  
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 ONLY), & CLEANER/REMOVER (SKC-NF/ZC-7B); REFERENCE: DGSC-SLM CASE HISTORY #88281H FOR DETAILS; KEY1: J7; THIS ENTRY DESCRIBES DEVELOPER (SKD-NF/ZP-9B); SKD-S NOT QUALIFIED FOR NSN.

## Chemical Properties

HCC: V2  
NRC/State Lic Num: NOT RELEVANT  
Boiling Pt: B.P. Text: N/R (AEROSOL)  
Spec Gravity: 1.3 (OF LIQUID)  
Evaporation Rate & Reference: 3.0 (ETHYL ALCOHOL=1)  
Solubility in Water: NEGLIGIBLE  
Appearance and Odor: WHITE MOBILE LIQUID BEFORE FILLING IN AEROSOL CANS.  
Percent Volatiles by Volume: 100%

## Stability

Stability Indicator/Materials to Avoid: YES  
POWDERED ZINC & POWDERED ALUMINUM  
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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