

MAGNAFLUX CORPORATION -- SKD-NF/ZP-9B DEVELOPER, (NEW FORMULATION) --
6850-00-145-0255

===== Product Identification =====

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

MSDS Date:05/26/1989

FSC:6850

NIIN:00-145-0255

Kit Part:Y

MSDS Number: BHQCH

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W. LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656

Country:US

Info Phone Num:708-867-8000

Emergency Phone Num:708-867-8000/800-424-9300(CH

EMTREC)

CAGE:37676

=== Contractor Identification ===

Company Name:ILLINOIS TOOL WORKS INC MAGNAFLUX DIV

Address:3624 WEST LAKE AVENUE

Box:City:GLENVIEW

State:IL

ZIP:60025

Country:US

Phone:847-657-5300/

CAGE:37676

===== Composition/Information on Ingredients =====

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 65%

OSHA PEL:350 PPM/450 STEL

ACGIH TLV:350 PPM/450STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Oz

one Depleting Chemical:1

Ingred Name:CHLORODIFLUOROMETHANE

CAS:75-45-6

RTECS #:PA6390000

Fraction by Wt: 25%

OSHA PEL:1000 PPM

ACGIH TLV:1000PPM; 9192

Ozone Depleting Chemical:2

Ingred Name:METHYLAL (DIMETHOXYMETHANE)

CAS:109-87-5

RTECS #:PA8750000

Fraction by Wt: 2%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ingred Name:TERT-BUTYL ALCOHOL (SARA III)

CAS:75-65-0

RTECS #:EO1925000

Fraction by Wt: 1%

OSHA PEL:100 PPM

ACGIH TLV:100PPM 9394

=====
===== Hazards Identification =====
=====

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.

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 I

N

 TEST ANIMALS.

Medical Cond Aggravated by Exposure:NONE KNOWN TO MANUFACTURER.

=====
===== First Aid Measures =====
=====

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 Measures =====

Flash Point:NONE

Extinguishing Media:USE SUITABLE EXTINGUISHING MEDIA FOR SURROUNDING
FIRES.

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:VAPORS PARTIALLY DECOMPOSE TO TOXIC GASES
WHEN EXPOSED TO FLAME,ARCS,OR RED HOT SURFACES; AEROSOL CANS MAY
BURST AT TEMPERATURE OVER 130F.

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

Spill Release Procedures:WIPE UP BUT DO NOT BREATHE VAPORS.

===== Handling and Storage =====

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
T
O SKIN.

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

Respiratory Protection:WEAR A RESPIRATOR WITH CHEMICAL CARTRIDGE. IN
CONFINED AREAS,WEAR A FULL MASK WITH SEPARATE AIR SUPPLY;ODOR OF
THE PRODUCT CAN BE DETECTED AT 100PPM,BUT IS NOT STRONG ENOUGH TO
CAUSE DISCOMFORT AT 100 0PPM.

Ventilation:GENERAL VENTILATION TO KEEP BELOW 350PPM LIMIT.

Protective Gloves:NITRILE RUBBER GLOVES

Eye Protection:FULL GOGGLES

Other Protective Equipment:EITHER USE IN A SPRAY BOO
TH OR NEXT TO AN
EXHAUST VENT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.WASH
CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

KEY1:J7. THIS PRODUCT IS A KIT CONSISTING OF THREE PARTS. DEVELOPER,
PNI E, CLEANER/REMOVER, PNI F, PENETRANT WITH PNI G, SAME NSN.
FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A, B, C AND D,
S AME NSN.

===== Physical/Chemical Properties =====

HCC:V2

NRC/State Lic Num:NOT RELEVANT

Vapo

r Pres:230MM @100
Vapor Density:4.0
Spec Gravity:1.3
Evaporation Rate & Reference:3.0(ETHYL ALCOHOL=1)
Solubility in Water:NEGLIGIBLE
Appearance and Odor:CLEAR,COLORLESS,MOBIL LIQUID IN AEROSOL CANS UNDER PRESSURE.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
POWDERED ZINC AND ALUMINUM
Stability Condition to Avoid:HIGH TEMPERATURE/HEAT.
Hazardous Decomposition Products:PHOSGENE,HYDROCHLORIC ACID GAS,OXIDES OF CARBON
WHEN INVOLVE IN FIRES.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF AS EPA HAZARDOUS WASTE NO: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 ACCE PT THEM AS IS.COMPLY WITH FED,ST,& LOCAL REGS.

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,
expressly 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.