

MAGNAFLUX CORPORATION -- ZYGLO DEVELOPER ZP-9 F,ZA-43 -- 6850-00-703-7406

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

Product ID:ZYGLO DEVELOPER ZP-9 F,ZA-43

MSDS Date:02/01/1993

FSC:6850

NIIN:00-703-7406

Kit Part:Y

MSDS Number: BSVYW

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7301 WEST AINSLIE AVENUE

City:HARWOOD HTS

State:IL

ZIP:60656

Country:US

Info Phone Num:708-867-8000

Emerg

ency Phone Num:708-867-8000, CHEMTREC 800-424-9300

Preparer's Name:BRUCE C. GRAHAM

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:ACETONE (SARA III)

CAS:67-64-1

RTECS #:AL3150000

Fraction by Wt: 60%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH T

LV:750PPM/1000STEL;9294
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 25%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9394

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;94

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

Routes of Entry: Inhalation
:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE- CAN IRRITATE SKIN BY REMOVING
NATURAL SKIN OIL ON LONG/REPEATED EXPOSURES. CAN IRRITATE EYES BUT
DOES NOT ATTACK EYE TISSUE. INHALATION CAUSES DIZZINESS AND NAUSEA.
INGESTION OF SMALL (MOUTHFUL) AMOUNTS IS NOT SIGNIFICANT. CHRONIC-
UNKNOWN. TARGET ORGANS:EYES, SKIN, RESPIRATORY TRACT.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION OF EY
ES, SKIN, RESPIRATORY TRACT,
DIZZINESS, NAUSEA
Medical Cond Aggravated by Exposure:NONE

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

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP &
WATER. USE SOOTHING LOTION. INHALED:REMOVE TO FRESH AIR. PROVIDE
CPR/OXY GEN IF NEEDED. ORAL:DO NOT INDUCE VOMITING. ACCIDENTAL
INGESTION OF A SINGLE MOUTHFUL OF PRODUCT IS NOT EXPECT

ED TO CAUSE
SIGNIFICANT HARM. IN ALL SEVERE CASES, CONTACT PHYSICIAN
IMMEDIATELY.

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

Flash Point:AEROSOL CAN

Lower Limits:2

Upper Limits:15

Extinguishing Media:CARBON DIOXIDE, FOAM OR WATER.

Fire Fighting Procedures:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS OPERATED IN THE POSITIVE PRESSURE MODE. USE WATER SPRAY
TO COOL FIRE-EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:AEROSOL CANS MAY BURST OVE
R 130F AND ADD
TO EXISTING FIRE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA.
MOP UP OR REMOVE WITH NON-FLAMMABLE ABSORBENT MATERIALS. PUT INTO
CONTAINER. DISPOSE AS HAZARDOUS WASTE.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A COOL, VENTILATED AREA BELOW
130F. DO NOT SPRAY AROUND ARCS OR
FLAME. STORE AWAY FROM HEAT
SOURCES.

Other Precautions:"EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE
DANGEROUS. KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER
HANDLING AND BEFORE EATING OR DRINKING. DO NOT BREATHE VAPORS/MIST.
DO NOT TAKE INTERNA LLY.

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

Respiratory Protection:IF SPRAYING IN ENCLOSED, UNVENTILATED SPACE,
WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR
RESPIRATOR WITH OR

GANIC VAPOR CARTRIDGES.

Ventilation:ADEQUATE

Protective Gloves:NITRILE RUBBER IF EXPOSURE UNAVOIDABLE

Eye Protection:CHEMICAL SAFETY GOGGLES IF SPRAYING

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, LONG SLEEVE
AND LONG PANTS

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

KEY1:J7. FORMULA CHANGED. FOR PREVIOUS FORMULATIONS AND OTHER PARTS OF
KIT, SEE PNI A/B/C/D/E/F/G/H/I/J, SAME NSN.

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

HCC:V3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:135F (BULK)

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Vapor Pres:5429 @ 75F

Vapor Density:3

Spec Gravity:0.88

Evaporation Rate & Reference:0.7 (ETHER=1)

Solubility in Water:100%

Appearance and Odor:WHITISH LIQUID

Percent Volatiles by Volume:85

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Conditio

n to Avoid:TEMPERATURES ABOVE 130 F.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, SOOT

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
LOCAL, STATE AND FEDERAL REGULATIONS. SEND TO A LICENSED WASTE
FACILITY FOR PROPER DISPOSAL OF EPA HAZARDOUS WASTE NUMBERS F003
AND D001.

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