

MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC -- ZYGLO DEVELOPER ZP-9 F -- 6850-01-265-7234
===== Product Identification =====

Product ID:ZYGLO DEVELOPER ZP-9 F

MSDS Date:06/13/1997

FSC:6850

NIIN:01-265-7234

MSDS Number: CFKHQ

=== Responsible Party ===

Company Name:MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC

Address:3624 WEST LAKE AVENUE

City:GLENVIEW

State:IL

ZIP:60025

Country:US

Info Phone Num:847-657-530

0 / 5338 (FAX)

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

Preparer's Name:CHERL A. ZELEZNIK

CAGE:KO362

=== 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

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===== Compo

sition/Information on Ingredients =====

Ingred Name:ACETONE (SARA 313) (CERCLA)/2-PROPANONE
CAS:67-64-1
RTECS #:AL3150000
Fraction by Wt: 40 - 70%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:750PPM/1000STEL;9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)/2-PROPANOL
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 10 - 30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9596

Ingred Name:PENTAERYTHRITOL
/2,2'-BIS(HYDROXYMETHYL)-1,3-PROPANEDIOL
CAS:115-77-5
RTECS #:RZ2490000
Fraction by Wt: 10 - 30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9596

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

LD50 LC50 Mixture:TLV IS 400 PPM.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY
AND GI TRACTS. ACUTE- EYE:CAN IRR
ITATE, BUT DOES NOT DAMGE EYE
TISSUE. SKIN: IRRITATES BY REMOVING SKIN OILS ON REPEATED/PROLONGED
EXPOSURES. INHALE: CAUSES DIZZIN ESS & NAUSEA. ORAL:NOT SIGNIFICANT
IN SMALL (MOUTHFUL) AMOUNTS. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, HEADACHE,
DIZZINESS, DRY SKIN, DEFATTING
Medical Cond Aggravated by Exposure:NONE

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

First Aid:SKIN:REMOVE CONTAM

INATED CLOTHING. WASH SKIN WITH SOAP & WATER. USE SOOTHING LOTION. EYE:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:MOVE TO FRESH AIR. ORAL:DO NOT INDUCE VOMITING. ACCIDENTAL INGESTION OF A SINGLE MOUTHFUL IS NOT EXPECTED TO CAUSE SIGNIFICANT HARM. NOTE:IN ALL SEVERE CASES, CONTACT PHYSICIAN IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:FLAMMABLE AEROSL

Lower Limits:2

Upper Limits:15

Ext

inguishing Media:USE FOAM, CARBON DIOXIDE, WATER. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

Unusual Fire/Explosion Hazard:AEROSOL CANS UNDER PRESSURE AND CONTAINS FLAMMABLE LIQUIDS. AEROSOL CANS MAY RUPTURE OR EXPLODE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES

OF IGNITION. VENTILATE AREA. REMOVE LEAKING CONTAINER OUTDOOR/UNDER THE HOOD. SOAK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, VERMICULITE. PLACE I N CONTAINER. PREVENT LIQUID FROM ENTERING SEWERS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED PLACE AWAY FROM HEAT AND IGNITION SOURCES. USE WITH ADEQUATE VENTILATION.

AVOID INGESTION.

Other Precautions:AEROSOL CANS ARE FLAMMABLE AND UNDER PRESSURE. EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. FOLLOW ALL LABEL PRECAUTIONS. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING VAPORS. DO NOT GET IN EYE, ON SKIN OR ON CLOTHING.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. WEAR A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR IN ENCLOSED,

UNVENTILATED AREAS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NITRILE RUBBER IF REPEATED CONTACT

Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE
CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR
DRINKING.

Supplemental

Safety and Health

FORMULA AND/OR PERCENTAGES CHANGED. FOR PREVIOUS FORMULATIONS AND
CONCENTRATIONS, SEE PNI A, B AND C, SAME NSN.

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

HCC:V3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:135F LIQUID

Vapor Pres:6189 @ 75F

Vapor Density:3

Spec Gravity:0.86

Evaporation Rate & Reference:0.4 (ETHER=1) FOR LIQUID

Solubility in Water:100%

Appearance and Odor:WHITE LIQUID - ALCOHOL ODOR

Percent Volatiles by Volume:85

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:HEAT (OVER 130F/54C), SPARKS, OPEN FLAMES,
HOT SURFACES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE, CARBON
DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDING TO LOCAL, STATE AND
FEDERAL REGULATIONS. INCINERATION IS RECOMMENDED

. EPA WASTE NUMBER:

D001. CONTRACT WITH A LICENSED WASTE DISPOSAL AGENCY.

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