

MAGNAFLUX DIV OF ILLINOIS TOOL WKS INC -- ZYGLO DEVELOPER ZP-9 F,ZA-43/60 --  
6850-00-703-7406

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

Product ID:ZYGLO DEVELOPER ZP-9 F,ZA-43/60

MSDS Date:05/02/1996

FSC:6850

NIIN:00-703-7406

Kit Part:Y

MSDS Number: CDXKP

=== 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:847-657-5300 / 5338 (FAX)

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

Preparer's Name:CHERI 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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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

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, CNS,

RESPIRATORY & GI TRACTS. ACUTE- MAY CAUSE EYE AND SKIN DEFATTING.

INHALATION OF VAPORS/ MIST MAY CAUSE IRRITATION & DIZZINESS.

INGESTION IS NOT SIGNIFICANT IN SMALL (MOUT HFUL) AMOUNTS. CHRONIC-  
UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexpos

ure:IRRITATION, HEADACHE, NAUSEA, VOMITING,

DIZZINESS, FATIGUE, CONFUSION, BLURRED VISION, TEARING

Medical Cond Aggravated by Exposure:NONE

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:IMMEDIATELY  
FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN: WASH WITH  
SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF  
NECESSA RY. ORAL:DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.  
AC

CIDENTAL INGESTION OF A SINGLE MOUTHFUL IS NOT EXPECTED TO CAUSE  
SIGNIFICANT HARM.

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

Flash Point Method:PMCC

Flash Point:FLAMMABL AEROSOL

Lower Limits:2%

Upper Limits:15%

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM OR WATER. COOL  
FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-  
APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Ha

zard:SPRAY CANS UNDER PRESSURE. FLAMMABLE.

EXPLOSION HAZARD EXISTS WHEN SPRAY CANS HEATED. DO NOT ENTER SPRAY  
CAN STORAGE AREA IF FIRE PRESENT.

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

Spill Release Procedures:VENTILATE AREA. REMOVE IGNITION SOURCES.

LEAKING CONTAINERS SHOULD BE PLACED OUTDOORS, IN AN OPEN CONTAINER,  
AWAY FROM SOURCES OF IGNITION. ALLOW PRESSURE TO DISSIPATE. ABSORB  
LIQUID WITH NON-FLAMMABL E ABSORBENT AND PLACE IN CONTAINER FOR

DISPOSAL.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE SPRAY CANS IN COOL, WELL VENTILATED AREAS AWAY FROM SOURCES OF IGNITION & SUNLIGHT. DO NOT STORE ABOVE 130F.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND MAY BE DANGEROUS. FOLLOW ALL LABEL INSTRUCTIONS. AVOID REPEATED/PROLONGED SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN. DO NOT BREATHE VAPORS. DO NOT SPRAY TOWARD FACE/ HOT SURFACES. WASH AFTER HANDLING.

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

Respiratory Protection:IF TLV IS EXCEEDED, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-PURIFYING RESPIRATOR. IN EMERGENCY, WEAR A NIOSH- APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

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

Protective Gloves:BUTYL IF SKIN CONTACT IS POSSIBLE

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

KEY1:F1. FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A - K, SANE NSN. FLAMMABLE. CONTENTS UNDER PRESSURE. C

CONTAINS FLAMMABLE

GAS SUCH AS PROPANE AND FLAMMABLE LIQUID. DO NOT USE IN CONFINED AREA OR AREA WITH LITTLE AIR MOVEMENT. EMPLOY MEANS TO PREVENT VAPOR BUILDUP.

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

HCC:V3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:135F,57C

Vapor Pres:6189 @ 75F

Vapor Density:3

Spec Gravity:0.86

Evaporation Rate & Reference:0.4 (ETHER = 1)

Solubility in Water:100

Appearance and Odor:WHITE LIQUID - ALCOHOL ODOR

Percent Vol

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

Stability Indicator/Materials to Avoid: YES

NONE

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES, DIRECT SUNLIGHT,  
TEMPERATURES ABOVE 130F/54C

Hazardous Decomposition Products: TOXIC GASES OF CARBON MONOXIDE, CARBON  
DIOXIDE MAY BE FORMED.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE  
AND FEDERAL REGULATIONS. DO NOT PUNCTURE, INCINERATE SPRAY CANS  
EVEN AFTER USE. DO NOT FLUSH INTO DRAINS.

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