

MAGNAFLUX CORPORATION -- ZP-4B ZYGLO DRY DEVELOPER (POST 12/1987) -- 6850-01-264-8682

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

Product ID:ZP-4B ZYGLO DRY DEVELOPER (POST 12/1987)

MSDS Date:12/09/1988

FSC:6850

NIIN:01-264-8682

MSDS Number: BGRWD

=== Responsible Party ===

Company Name:MAGNAFLUX CORPORATION

Address:7300 W.LAWRENCE AVENUE

City:CHICAGO

State:IL

ZIP:60656-3504

Country:US

Info Phone Num:312-86

7-8000

Emergency Phone Num:312-867-8000

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:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS  
FORMS) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000

Fraction by Wt: 05.0%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG

/M3 TDUST; 9293

Ingred Name:SILICA, AMORPHOUS, DUST  
CAS:112945-52-5  
RTECS #:VV7310000  
Fraction by Wt: 05.0%  
Other REC Limits:6MG/CUM  
OSHA PEL:6 MG/M3  
ACGIH TLV:10 MG/M3; 8990

Ingred Name:CALCIUM PHOSPHATE (FROM EARLIER MSDS DATED 12/84)-SEE SUPPL  
DATA.  
Fraction by Wt: 35.0%

Ingred Name:MAGNESITE  
CAS:546-93-0  
RTECS #:OM2470000  
Fraction by Wt: 15.0%  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:PENTAERYTHRITOL  
CAS:115-77-5  
RTECS #:RZ2490000  
Fraction by Wt: 40.0%  
OSHA P  
EL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9293

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SEE OVEREXPOSURE EFFECTS.  
Effects of Overexposure:INHALATION: NUISANCE DUST; SKIN: IRRITATING DUE  
TO DRYING ACTION; EYES: IRRITATING DUE TO GRITTY ACTION/TEXTURE;  
INGESTION:NOT KNOWN.

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

First Aid:INHALATION: REMOVE TO FRESH

AIR. GET MEDICAL ASSISTANCE IF  
DIFFICULTY IN BREATHING; SKIN: WASH OFF WITH PLENTY OF WATER; EYES:  
FLUSH WITH COPIOUS AMOUNT OF WATER. IMMEDIATELY GET MEDICAL  
ATTENTION IF IRRITATION PERSISTS; INGESTION: NOT STATED BY MFR.

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

Flash Point:NONE  
Extinguishing Media:WATER, CARBON DIXIDE, FOAM  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED  
AREA.  
Unusual Fire/Explosion Hazard:NONE; FLOATING ZP-4  
B DUST CAN BE IGNITED  
BY HIGH ENERGY ARC.

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

Spill Release Procedures:USE APPROPRIATE PROTECTIVE EQUIPMENT.AVOID  
CREATING DUST.SWEEP UP,RETURN TO STOCK UNLESS CONTAMINATED;PLACE IN  
COVERED CONTAINERS.

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

Handling and Storage Precautions:WASH HANDS AFTER USE.STORE IN COOL AND  
DRY PLACE.KEEP CONTAINER TIGHTLY CLOSED.  
Other Precautions:AVOID BREATHING  
DUST.DO NOT GET IN EYES.KEEP DRY.

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

Respiratory Protection:USE FILTER MASK,IF USING IN POORLY VENTILATED  
AREA.  
Ventilation:MECHANICAL(GENERAL)  
Protective Gloves:NEOPRENE  
Eye Protection:SAFETY GLASSES  
Work Hygienic Practices:WASH HANDS AFTER EACH USE.  
Supplemental Safety and Health  
ITEM IS ONE PART PRODUCT.QPL-25135-15 COVERS MULTIPLE PRODUCTS UNDER  
TYPE I, FORM A, OF MIL-I-25135E; NSN (ESTABLISHED IN 1987) IS FOR  
TY

PE I,FORM A, MATERIAL; THIS NSN REPLACES THE OLD NSN:6850-01-12  
1-0950 WHICH WAS FOR GROUPS VIA/VIB UNDER  
QPL-25135-13,MIL-I-25135C; NO CHANGE IN FORMULATION OCCURED.

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

HCC:V7  
Spec Gravity:0.20  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:FLUFFY,WHITE POWDER,ODORLESS

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

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED  
Stability Condition t  
o Avoid:NONE KNOWN  
Hazardous Decomposition Products:OXIDES OF CARBON IF HEATED TO BURNING.

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

Waste Disposal Methods:MANUFACTURER SUGGESTS TREAT AS NON-HAZARDOUS  
WASTE. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL  
REGULATIONS.

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