

MAGNAFLUX -- ZYGLO DEVELOPER ZP-9F -- 6850-01-265-7234

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Product Identification
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Product ID:ZYGLO DEVELOPER ZP-9F

MSDS Date:07/23/1999

FSC:6850

NIIN:01-265-7234

Status Code:A

MSDS Number: CKQGM

=== Responsible Party ===

Company Name:MAGNAFLUX

Address:3624 WEST LAKE AVENUE

City:GLENVIEW

State:IL

ZIP:60025

Country:US

Info Phone Num:847-657-5300

Emergency Phone Num:800-424-9300

Preparer's N

ame:CHERI A. ZELEZNIK

Chemtrec Ind/Phone:(800)424-9300

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

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Composition/Information on Ingredients
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Ingred Name:2-PROPANONE

CAS:67-64-1

RTECS #:AL3150000

Minumum % Wt:40.

Maxumum % Wt:70.

OSHA PEL:2400 MG/M3;1000 PPM

ACGIH TLV:1780 MG/M3;750 PPM

ACGIH STEL:2380 MG/M3;1

000 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:2-PROPANOL
CAS:67-63-0
RTECS #:NT8050000
Minumum % Wt:10.
Maxumum % Wt:30.
OSHA PEL:980 MG/M3;400 PPM
ACGIH TLV:983 MG/M3;400 PPM
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:2,2-BIS(HYDROXYMETHYL)-1,3-PROPANEDIOL
CAS:115-77-5
RTECS #:RZ2490000
Minumum % Wt:10.
Maxumum % Wt:30.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:CARBON DIOXIDE (PROPELLANT)
CAS:124-38-9
RTECS #:FF6400000
= Wt:7.
OSHA PEL:9000 MG/M3;5000 PPM
ACGIH TLV:9000
MG/M3;5000 PPM
ACGIH STEL:54000 MG/M3

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

Health Hazards Acute and Chronic:SKIN: CAN IRRITATE BY REMOVING NATURAL SKIN OILS ON LONG OR REPEATED EXPOSURES. EYES: IRRITATING, BUT DOES NOT DAMAGE EYE TISSUE. INHALATION: CAUSES DIZZINESS AND NAUSEA. INGESTION: NOT SIGNIFICANT IN SMALL (MOUTHFUL) AMOUNTS.
Explanation of Carcinogenicity:CONTAINS NO KNOWN OR SUSPECT CARCINOGENS LISTED WITH OSHA, IARC, NTP OR ACGIH.
Eff
ects of Overexposure:INHALATION: CAUSES DIZZINESS AND NAUSEA.
Medical Cond Aggravated by Exposure:NONE.

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

First Aid:SKIN: WASH OFF WITH SOAP AND WATER, USE SOOTHING LOTION.
EYES: RINSE CAREFULLY UNDER UPPER AND LOWER EYELIDS USING PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR IF DIZZY OR NAUSEATED.
INGESTION: DO NOT INDUCE VOMITING. ACCIDENTAL INGESTION OF A SINGLE MOUTHFUL IS NOT EXPECTED TO CAUSE SIGNIFICA

NT HARM.

****NOTE****: IN ALL SEVERE CASES, CONTACT PHYSICIAN IMMEDIATELY. LOCAL TELEPHONE OPERATORS CAN FURNISH NUMBER OF REGIONAL POISON CONTROL CENTER.

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

Flash Point Method:PMCC

Flash Point:=-16.5C, 2.F

Lower Limits:2%

Upper Limits:15%

Extinguishing Media:CARBON DIOXIDE, FOAM, WATER.

Fire Fighting Procedures:KEEP CONTAINERS COOL WITH WATER SPRAY.

****CONDITIONS OF FLAMMABILITY**** BULK AND AEROSOL: IGNITION WILL

OCCUR IF USED NEAR FLAMES, ARCS OR OTHER IGNITION SOURCES.

Unusual Fire/Explosion Hazard:HAZARDOUS COMBUSTION PRODUCTS: SOOT, OXIDES OF CARBON. AEROSOL CANS MAY BURST OVER 130F (54C) AND ADD TO EXISTING FIRE.

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

Spill Release Procedures:TURN OFF OR REMOVE SOURCES OF IGNITION. MOP UP OR SWEEP UP WITH ABSORBENT.

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

Handling and Storage Precautions:AVOI

D BREATHING VAPORS. AVOID EYE

CONTACT. AVOID REPEATED OR PROLONGED SKIN CONTACT. STORE AWAY FROM HEAT SOURCE. DO NOT SPRAY AROUND ARCS OF FLAME.

Other Precautions:EMERGENCY OVERVIEW: EXTREMELY FLAMMABLE WHITE LIQUID AND AEROSOL. FAST EVAPORATING VAPORS CAN REACH HAZARDOUS LEVELS QUICKLY IN UNVENTILATED SPACES.

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

Respiratory Protection:RESPIRATOR WITH FILTER IF SPRAYED IN ENCLOSED, UNVENTILATED SPACE.

Ventilat

ion:USE WHERE VENTILATION WILL CARRY VAPORS AWAY FROM UNOCCUPIED AREAS.

Protective Gloves:WEAR NITRILE RUBBER GLOVES IF HAND EXPOSURE IS UNAVOIDABLE.

Eye Protection:WEAR SAFETY GLASSES TO PROTECT EYES.

Supplemental Safety and Health

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

HCC:V3

Boiling Pt:=57.2C, 135.F

Vapor Density:3

Spec Gravity:.86

pH:NEUTRAL

Evaporation Rate & Reference:0.4 OF ETHER

Solubility in Water:100

Appearance and Odor:WHITE LIQUID, ALCOHOL ODOR.

Percent Volatiles by Volume:65%

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:WHEN BURNING, SOOT, OXIDES OF CARBON.

===== Toxicological Information =====

Toxicological Information:THRESHOLD LIMIT VALUE (BULK): 400 PPM. WHIMIS INFORMATION: ACCORDING TO AVAILABLE INFORMATION, THE INGREDIENTS HAVE BEEN FOUND TO SHOW REPRODUCTIVE TOXICITY, TERATOGENICITY, MUTAGENICITY, SKIN SENSITIZATION, OR SYNERGISTIC TOXIC EFFECTS WITH OTHER MATERIALS.

===== Ecological Information =====

Ecological:NO DATA IS AVAILABLE ON ZP-9F, 2,2-BIS(HYDROXYPROPYL)-1,3-PROPANEDIOL DISSOLVES IN WATER AND IS BIODEGRADABLE.

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

Waste Disposal Methods:SEND TO LICENSED WASTE FACILITY FOR PROPER DISPOSAL. RCRA: HAZARDOUS W

ASTE. U.S. EPA WASTE NUMBER: D001.

===== MSDS Transport Information =====

Transport Information:U.S. DOT: 49 CFR 172, 101 HAZARDOUS WASTE TABLE.
PROPER SHIPPING NAME: (BULK) FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL,
ACETONE). (AEROSOL) CONSUMER COMMODITY. HAZARD CLASS OR DIVISION:
3. (BULK) ORM-D. IDENTIFICATION NO.: UN1993. PACKING GROUP: II.

===== Regulatory Information =====

SARA Title III Information:SARA TITLE III
, SECTION 313: ACETONE.
Federal Regulatory Information:TSCA: ALL INGREDIENTS ARE LISTED TSCA
INVENTORY. CERCLA: REPORTABLE (RQ) FOR ACETONE=5000 LBS.
State Regulatory Information:CALIFORNIA PROPOSITION 65: CONTAINS
NOTHING ON THIS LIST.

===== Other Information =====

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