

ITW DEVCON/ A DYKEM COMPANY -- TOLE STEEL BLUE DX-100 -- 6850-01-276-5396

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

Product ID:TOLE STEEL BLUE DX-100

MSDS Date:07/12/1996

FSC:6850

NIIN:01-276-5396

MSDS Number: BZNVG

=== Responsible Party ===

Company Name:ITW DEVCON/ A DYKEM COMPANY

Address:8501 DELPORT DRIVE

City:ST. LOUIS

State:MO

ZIP:63114-5905

Country:US

Info Phone Num:800-443-9536

Emergency Phone Num

:800-424-9300(CHEMTREC)

Preparer's Name:VILMA HOLMGREM

CAGE:98148

=== 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

Company Name:ITW DYKEM/ DYMON

Address:805 E OLD 56 HWY

Box:City:OLATHE

State:KS

ZIP:66061

Country:US

Phone:800-443-9536

CAGE:98148

===== Composition/Information on Ingredients =====

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CA

S:64-17-5  
RTECS #:KQ6300000  
Fraction by Wt: 31-50%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9596

Ingred Name:N-BUTYL ACETATE (CERCLA)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 31-50%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:150 PPM  
ACGIH TLV:150 PPM/200STEL;9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACGIH TLV:40  
0 PPM/500STEL;9596

Ingred Name:1-5LODION (WET NITROCELLULOSE)  
CAS:9004-70-0  
RTECS #:QW0970000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:N-BUTYL ALCOHOL (SARA 313) (CERCLA)  
CAS:71-36-3  
RTECS #:EO1400000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:S, C 50 PPM; 9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:N-PROPYL ACETATE  
CAS:109-60-4  
RTECS #:AJ3675000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM  
ACGIH TLV:200 PPM

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===== Hazards Identification =====  
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LD50 LC50 Mixture:NOT GIVEN

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:HIGH CONCENTRATIONS OF VAPORS MAY PRODUCE IRRITATION OF RESPIRATORY TRACT, HEADACHE, DIZZINESS, NAUSEA. SKIN & EYE CONTACT MAY CAUSE IRRITATION. INGESTION MAY CAUSE NAUSEA AND VOMITING. ASPIRATION HAZARD. PROLONGED REPEATED

OVEREXPOSURE MAY LEAD TO SKIN SENSITIZATION OR DERMATITIS.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:RESPIRATORY TRACT IRRITATION, HEADACHE, DIZZINESS, NAUSEA, SKIN IRRITATION, EYE IRRITATION, VOMITING, DERMATITIS.

Medical Conditions Aggravated by Exposure:SKIN DISORDERS, RESPIRATORY DISORDERS.

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===== First Aid Measures =====  
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First Aid:EYES: FLUSH WELL WITH WATER. CONTACT A PHYSICIAN IF IRRITATION PERSISTS. SKIN: WASH WITH SOAP AND WATER. INHALATION: REMOVE PATIENT TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. INGESTION: DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

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===== Fire Fighting Measures =====  
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Flash Point Method:CC

Flash Point:=-11.7C, 53.F

Lower Limits:

1.38

Upper Limits:12

Extinguishing Media:NO WATER NOR ALCOHOL FOAM. USE CO2, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL ALONG GROUND OR BE MOVED BY VENTILATION & BE IGNITED BY IGNITION SOURCES.

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===== Accidental Release Measures =====  
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Spill Release Procedures:PREVENT SKIN AND EYE CONTACT. USE

NON-COMBUSTIBLE MATERIAL TO CONFINE AND/OR ABSORB. ELIMINATE IGNITION SOURCES. VENTILATE AREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT.

Other Precautions:USE WITH ADEQUATE VENTILATION. MANY HOT ORGANIC CHEMICAL VAPORS OR M

ISTS ARE SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED WITH AIR. IGNITION MAY OCCUR AT TEMPERTURES BELOW THOSE PUBLISHED I N LITERATURE AS "AUTOIGNITION" TEMPS.

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

Respiratory Protection:NONE REQUIRED FOR NORMAL USE W/ADEQUATE VENTILATION. IN POORLY VENTILATED AREAS USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:LOCAL EXHAUST RECOMMENDED FOR CONFINED AREAS.GENERAL MECHANICAL VENTILATION IS ADEQUATE FOR NORMAL USE.

Protective Gloves:CHEM RESIST RUBB GLVS,POLYVINYL CHLORIDE

Eye Protection:SAFETY GLASSES,SPLASH PROOF GOGGLES.

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

IGNITION OF ORGANIC CHEMICAL VAPORS MAY OCCUR AT TYPICAL ELEVATED

TEMPERATURE PROCESS CONDITIONS, ESPECIALLY IN PROCESSES OPERATING UNDER VACUUM IF SUBJECTED TO SUDDEN INGRESS OF AIR OR OUTSIDE PROCES S EQUIPMENT OPERATING UNDER ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPORS OR MISTS TO THE ATMOSPHERE OCCURS.

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

HCC:F2

Boiling Pt:=72.8C, 163.F

Vapor Pres:NOT GIVEN

Vapor Density:>1

Spec Gravity:0.84

VOC Grams/Liter:6.27

Evaporation Rate & Reference:>1 (N-BUTY

L ACETATE=1)

Solubility in Water: APPRECIABLE

Appearance and Odor: BLUE TRANSPARENT LOW VISCOSITY LIQUID W/SWEET SOLVENT ODOR.

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: HEAT, SPARKS, OPEN FLAMES.

Hazardous Decomposition Products: OXIDES OF CARBON.

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

Waste Disposal Methods: REMOVE TO WASTE DISPOSAL FACILITY OPERATING IN

COMPLIANCE W/FED/STATE/LOCAL REGS. CERCLA/RCRA HAZ WASTE CODE: D001, U031 (BUTYL ALCOHOL). RQ CERCLA: 100 LBS. CHEM SUBJECT TO REPORTING REQUIREMENTS OF SEC 313 TITLE III/40CFR 372: NORMAL BUTYL ALCOHOL 1-5%.

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

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