

ITW DEVCON -- FLEXANE FL-20 PRIMER, 15985 -- 8010-01-343-4809

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

Product ID:FLEXANE FL-20 PRIMER, 15985

MSDS Date:06/15/1990

FSC:8010

NIIN:01-343-4809

MSDS Number: CBQXY

=== Responsible Party ===

Company Name:ITW DEVCON

Address:30 ENDICOTT ST

City:DANVERS

State:MA

ZIP:01923

Country:US

Info Phone Num:508-777-1100

Emergency Phone Num:800-424-9300 (CHEMTREC)

CAGE:0RZG

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=== Contractor Identification ===

Company Name:DEVCON CORP

Address:30 ENDICOTT ST

Box:City:DANVERS

State:MA

ZIP:01923-3753

Country:US

Phone:1-508-777-1100

CAGE:16059

Company Name:ITW DEVCON

Address:30 ENDICOTT ST

City:DANVERS

State:MA

ZIP:01923-3712

Country:US

Phone:978-777-1100

CAGE:0RZG3

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

Ingred Name:ISOCYANIC ACID, METHYLENEDI-P-PHENYLENE ESTER; (METHYLENE
BISPHENYL ISOCYANATE) (MDI) (SARA 313)

CAS:101-68-8

RTECS #:NQ

9350000
Fraction by Wt: 60%
OSHA PEL:350 PPM
ACGIH TLV:350 PPM/450 STEL
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS
Ozone Depleting Chemical:1

Ingred Name:P-DIOXANE; (1,4-DIOXANE) (SARA 313) (CERCLA)
CAS:123-91-1
RTECS #:JG8225000
Fraction by Wt: 1-5%
OSHA PEL:S, 100 PPM
ACGIH TLV:S, 25 PPM
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:VOLATILE ORGANIC COMPOUND:0
RTECS #:9999999VO
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:SUPDAT:OF THE MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS &
COULD H
AVE SIMILAR EFT IN HUMANS. ADRENOMIMETICS (E.G., (ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6:EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR
LIFE-SUSTAINING USES IN HUMANS ACUTELY/CHRONICALLY EXPOSED (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7:TO CHLOROCARBONS
RTECS #:9999999ZZ

Ingred Name:VENT:VENTILATION IS USUALLY SUFFICIENT.
RTECS #:9999999ZZ

Ingred Name:EXPLAN OF CARCIN:ANIMAL:KID, LIV.
RTECS #:9999999ZZ

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

LD50 LC5

0 Mixture:LD50:(ORAL,RAT) 10,300 MG/KG

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

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

Health Hazards Acute and Chronic:EYES:SEV IRRIT; MAY CAUSE TRANSIENT CORNEAL INJURY. SKIN:MAY CAUSE IRRIT;ON PRLNGD CONT, THE SOLV CAN CAUSE DERM BY DEFAT SKIN. INHAL:HIGH TCA CONC (>1000 PPM) CAN CAUSE DIZZ & OTHER CNS EFTS; SEE "PR ECAUTIONS", BELOW. INGEST:MAY CAUSE GASTRIC IRRIT & SYMPS LIKE THOSE OF INHAL; LIQ TCA DRAWN INTO

LUNGS(EFTS OF OVEREXP)

Explanation of Carcinogenicity:P-DIOXANE:IARC MONO, SUPP. VOL 7, PG 201, 1987:GROUP 2B. NTP 7TH ANNUAL RPT ON CARCINS, 1994:ANTIC TO BE CARCIN.(ING 10)

Effects of Overexposure:HLTH HAZ:CAN CAUSE SEV DMG. CHRONIC:ISOCYANATES CAN CAUSE RESP AND/OR SKIN SENSIT IN SOME PEOPLE, ESPECIALLY AFTER PRLNGD/RPTD OVEREXP. CHRONIC OVEREXP TO TCA MAY HARM THE LIVER. NOTE ON INHAL EFTS:DI ZZ, DROW, & THROAT IRRIT CAN BE CAUSED BY TCA VAP CONC ABOVE 1000 PPM (1/

10 OF 1%). UNCON & DEATH ARE POSS FROM (SUPDAT)

Medical Cond Aggravated by Exposure:ACUTE AND CHRONIC LIVER DISEASE & HEART RHYTHM DISORDERS ARE REPORTED AGGRAVATED BY TCA.

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

First Aid:EYES:FLUSH W/CLEAN WATER FOR @ LEAST 15 MINS WHILE GENTLY HOLDING EYELIDS OPEN. GET IMMED MED ATTN. SKIN:WASH THORO W/SOAP & WARM WATER. CONSULT PHYS IF IRRIT DEVELOPS. INHAL:REMOVE PATIENT TO FRESH AIR; GIVE OXYG IF BRTHG IS DFCLT. GET MED ATTN IF SYMPS PERSIST. INGEST:GET MED ATTN. DO NOT INDUCE VOMIT; IF PATIENT VOMITS, KEEP HEAD BELOW HIPS TO PREVENT DRAWING FLUID INTO LUNGS.

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

Flash Point Method:TCC

Flash Point:NONE

Lower Limits:7.5%

Upper Limits:15%(TCA)

Extinguishing Media:WATER, CO*2, DRY CHEMICAL.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:T

HERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE HCL & PHOSGENE . HEAT OF A FIRE CAN CAUSE CLOSED CONTAINERS
TO BURST VIOLENTLY.

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

Spill Release Procedures:ABSORB SPILL ON INERT MATERIAL SUCH AS
VERMICULITE; TRANSFER TO IMPERVIOUS CONTAINER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:ISOCYANATES REACT SLOWLY W/WATE
R TO
RELEASE CARBON DIOXIDE, & BUILDUP OF GAS PRESS COULD BURST CLSD
CNTNRS. STORE WELL CLSD IN COOL, DRY PLACE.
Other Precautions:NO SMOKING IN AREA OF USE. DO NOT USE IN GEN VICINITY
OF ARC WELDING, OPEN FLAMES OR HOT SURFACES. HEAT &/OR UV RADIA MAY
CAUSE FORMATION OF HCL &/OR PHOSGENE .

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

Respiratory Protection:NONE REQD IN NORMAL USE W/GOOD VENT. IN CASES OF
USE IN POORLY VENTILATED AREAS AND/OR AT ELEVA
TED TEMPS A

NIOSH/MSHA APPRVD AIR SUPPLYING RESPIRATOR SHOULD BE WORN.

Ventilation:PROVIDE VENT SUFFICIENT TO KEEP ISOCYANATE VAP BELOW TLV.

LOC EXHAUST IS REC FOR CONFINED AREAS. GENERAL MECH (ING 9)

Protective Gloves:CHEMICAL RESISTANT RUBBER GLOVES.

Eye Protection:ANSI APPRVD CHEM WORK GOGG & FSHLD

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

PH:7 (5% BY WT IN WATER). EFTS OF OVEREXP:E

XPOS ABOVE 10,000 PPM. BLOOD

PRESS DEPRESS, CARD SENSIT, & VENTRICULAR ARRHYTHMIA (IRREGULAR
HEARBEAT) CAN RSLT FROM EXPOS TO NEAR-ANESTH LEV. NOTE:THIS FORM
ULATION WAS TESTED IN LONG-TERM ANIMAL STUDIES & DID NOT CAUSE
CANCER. CHLOROCARBON MATLS HAVE PRODUCED SENSIT (ING 6)

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

Boiling Pt:B.P. Text:165F,74C

Vapor Pres:100 @ 68F

Vapor Density:4.5

Spec Gravity:1.32

pH:SUPDAT

Evaporation Rate & Reference:>1 (BU

AC =1)

Solubility in Water: