

ITW DEVCON -- LIQUID HARDENER 0202 -- 8030-00-229-8740

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

Product ID:LIQUID HARDENER 0202

MSDS Date:03/20/1995

FSC:8030

NIIN:00-229-8740

MSDS Number: CGSXB

=== 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:0RZG3

=== Contract

or 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:TRIETHYLENETETRAMINE (TETA). LD50: (ORAL, RAT) 2500 MG/KG.

CAS:112-24-3

RTECS #:YE6650000

Fraction by Wt: 30-50%

OSHA PEL:N/K

ACGIH TLV:N

/K

Ingred Name:POLYAMIDE; (POLYAMIDE OF CL8 FATTY-ACID DIMERS AND TETA (POLY)

CAS:68082-29-1

Fraction by Wt: 50-65%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:PHENOL, NONYL-; (NONYLPHENOL)

CAS:25154-52-3

RTECS #:SM5600000

Fraction by Wt: 5-20%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:PIPERAZINE, 1-(2-AMINOETHYL)-; (AMINOETHYLPIPERAZINE (AEP)). LD50: (ORAL RAT) 2140 MG/KG.

CAS:140-31-8

RTECS #:TK8050000

Fraction by Wt: 1-15%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:VOLATILE ORGANIC COM

POUNDS (EPA REFERENCE METHOD 24): 0
LBS/GAL.

RTECS #:9999999VO

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

LD50 LC50 Mixture:SEE INGREDIENTS.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE: EYES:SEVERE IRRITANT.

SKIN:MODERATE IRRITANT. INHALATION: IRRITATION OF NOSE AND THROAT;
NAUSEA AND VOMITING IN SEVERE CASES. INGESTION: MAY CAUSE
IRRITATION OF MOUTH

AND THROAT AND GASTROINTES TINAL TRACT.

CHRONIC: REPEATED SKIN CONTACT OR INHALATION OF FUMES CAN CAUSE
SENSITIZATION, WITH (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HEALTH HAZARD: ITCHING, RASHES OR SWELLING OF
SKIN OR AN ASTHMA-LIKE RESPIRATORY REACTION ON LATER EXPOSURE TO
PRODUCT. ING 1: SKIN AND EYE IRRITANT; RESPIRATORY IRRITANT;
SENSITIZER. ING 2: SEVERE EYE IRRITANT. INGS 3 AND 4: SKIN
IRRITANT. SEVERE EYE IRRITANT.

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Medical Cond Aggravated by Exposure: ASTHMA, BRONCHITIS OR SKIN IRRITATIONS.

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First Aid Measures
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First Aid: EYES: IMMEDIATELY FLUSH WITH CLEAN WATER FOR AT LEAST 15 MINUTES WHILE GENTLY HOLDING EYELIDS OPEN. GET MEDICAL HELP AS SOON AS POSSIBLE. SKIN: IMMEDIATELY REMOVE CONTAMINATED CLOTHING & SHOES & WASH WELL WITH SOAP & WARM WATER. SEE A MD IF IRRITATION DEVELOPS. INHALATION: REMOVE PATIENT TO FRESH AIR. GIVE OXYGEN/ARTIFICIAL RESPIRATION IF NEEDED. SEE A MD IF SYMPTOMS PERSIST. INGESTION: DO NOT INDUCE VOMITING. DILUTE WITH LOTS OF MILK/WATER & GET IMMEDIATE MEDICAL HELP.

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Fire Fighting Measures
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Flash Point Method: TCC
Flash Point: >200F, >93C
Extinguishing Media: WATER, CO₂, DRY CHEMICAL.
Fire Fighting Procedures: USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard: NONE

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Accidental Release Measures
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Spill Release Procedures: PREVENT SKIN AND EYE CONTACT; REMOVE CONTAMINATED CLOTHING AND SHOES. ABSORB SPILL ON INERT MATERIAL SUCH AS VERMICULITE; SCRAPE UP AND TRANSFER TO IMPERVIOUS CONTAINERS. SCRUB SPILL AREA WITH STRONG DETERGENT AND WATER.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions: STORE WELL-CLOSED IN A COOL, DRY PLACE. THIS PRODUCT HAS BEEN TESTED FOR CORROSIVITY IN ACCORDANCE WITH DOT REGULATIONS AND IS NOT CORROSIVE.
Other Precautions: PROLONGED OR REPEATED OVEREXPOSURE MAY CAUSE SENSITIZATION AND ALLERGIC REACTIONS. THOSE SO AFFECTED SHOULD CONSULT A MD AND AVOID FURTHER EXPOSURE TO THIS MATERIAL IF SENSITIZATION IS CONFIRMED.

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Exposure Controls/Personal Protection
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Respiratory Protection: NONE NEEDED IN NORMAL USE WITH PROPER VENTILATION. IN POORLY VENTILATED AREAS USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.
Ventilation: GENERAL MECHANICAL VENTILATION IS ADEQUATE FOR OC

CASIONAL

USE. FOR PROLONGED OR REPEATED USE, LOCAL EXHAUST IS REC.

Protective Gloves:CHEM-RESIST RUBBER GLOVES(EX, NEOPRENE).

Eye Protection:ANSI APPROVED CHEM WORKERS GOGG(SUPDAT).

Other Protective Equipment:EYE WASH FOUNTAIN AND DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA . OTHER PROT GEAR AS NEEDED TO PVNT SKIN CONT.

Work Hygienic Practices:REMOVE CONTAM CLTHG & LAUNDER THORO BEFORE USING. CONTAM LEATHER ARTICLES (SHOES, BELTS) CANNOT BE DECONTAM AND (SUPDAT)

Supplementa

I Safety and Health

PH (5% BY WT IN WATER): 10-11. PERCENT VOLATILE: 100 (WT). EYE

PROTECTION: AND FULL LENGTH FACESHIELD . HYGIENE PRACTICE: SHOULD BE DESTROYED.

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

Boiling Pt:B.P. Text:>450F,>232C

Vapor Pres:1

Spec Gravity:0.98

pH:SUPDAT

Evaporation Rate & Reference: