

CITY CHEMICAL CORP -- 8G980 TRIETHANOLAMINE -- 6810-01-225-7903

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

Product ID:8G980 TRIETHANOLAMINE

MSDS Date:10/17/1988

FSC:6810

NIIN:01-225-7903

MSDS Number: BLDCZ

=== Responsible Party ===

Company Name:CITY CHEMICAL CORP

Address:132 W 22ND ST

City:NEW YORK

State:NY

ZIP:10011

Country:US

Info Phone Num:212-929-2723

Emergency Phone Num:212-929-2723

CAGE:83628

=== C

Contractor Identification ===

Company Name:CITY CHEMICAL CORPORATION

Address:100 HOBOKEN AVE

City:JERSEY CITY

State:NJ

ZIP:07310

Country:US

Phone:201-653-6900/800-248-2436

CAGE:83628

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

Ingred Name:ETHANOL, 2,2',2"-NITRILOTRI-; (TRIETHANOLAMINE)

CAS:102-71-6

RTECS #:KL9275000

Fraction by Wt: 99%

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry

: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:EYE:BELIEVED TO CAUSE SLIGHT TO  
MODERATE IRRITATION. SKIN:BELIEVED TO BE SLIGHTLY IRRITATING  
W/POSSIBLE REDNESS, EDEMA, OR DRYING OF SKIN. INHAL:BELIEVED TO BE  
MINIMALLY IRRITATING. CHRONIC:ORAL INGESTION OF TRIETHANOLAMINE  
HAS CAUSED KIDNEY DAMAGE IN LABORATORY ANIMALS.  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:SEE HEALTH  
HAZARDS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:IRRIGATE W/FLOWING WATER IMMED & CONTINUOUSLY FOR AT  
LEAST 15 MIN. CALL MD. SKIN:WASH OFF IN FLOWING WATER OR SHOWER.  
INGEST:INDUCE VOMITING IF LG AMTS INGESTED. CALL MD. INHAL:REMOVE  
TO FRESH AIR IF EFT OCCURS. CALL MD. NOTE TO MD:IF BURN PRESENT,  
TREAT AS ONLY THERMAL BURN AFTER DECONTAM. NO SPECIFIC ANTIDOTE.  
SU  
PPORTIVE CARE. TREATMENT BASED ON JUDGEMENT OF MD IN RESPONSE TO  
RXN OF PATIENT.

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

Flash Point Method:PMCC  
Flash Point:355F,179C  
Lower Limits:1%  
Upper Limits:10%  
Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON  
DIOXIDE. WATER OR FOAM MAY CAUSE FROTHING.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL  
PROTECTIVE EQUIPMENT . USE WATER TO COOL FIRE-EXPOSED CNTNRS. IF  
LEAK/SPILL NOT IG  
NITED, USE WATER SPRAY (SUPP DATA)  
Unusual Fire/Explosion Hazard:WHEN HEATED TO DECOMPOSITION, IT EMITS  
POSSIBLE NITROGEN OXIDES.

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

Spill Release Procedures:EVACUATE AREA OF SPILL. WEAR NIOSH/MSHA APPRVD  
SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. ABSORB ON SAND OR  
VERMICULITE & PLACE IN CLOSED CNTNR FOR DISPOSAL. VENTILATE AREA &  
WASH SPILL SITE AFTER MATE RIAL PICK-UP IS COMPLETE.  
Neutralizing Agent:NONE SPECIFIE

D BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID SKIN & EYE CONTACT. AVOID BREATHING VAPORS IF GENERATED. DO NOT USE SODIUM NITRITE OR OTHER NITROSATING AGENTS IN FORMULATIONS CONTAINING PROD.

Other Precautions:SUSPECTED CANCER-CAUSING NITROSAMINES COULD BE FORMED.

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

Respiratory Protection:NONE REQUIRED WHEN HANDLING AT MINIMUM FEASIBLE

TEMPERATURES. USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:GENERAL OR LOCAL EXHAUST VENTILATION MAY BE NECESSARY.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:SAFETY SHOWER AND EYEWASH BATH. PROTECTIVE CLOTHING OR RUBBER APRON.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC:TO DISPERSE VAPORS & TO PROVIDE PROTECTIONS FOR PERSONS  
A

ATTEMPTING TO STOP LEAK. HAZ DECOMP PRODS:REACTION RELEASING FLAMMABLE HYDROGEN GAS.

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

HCC:B3

Boiling Pt:B.P. Text:644F,340C

Vapor Pres:LOW

Vapor Density:5.14

Spec Gravity:1.12

pH:11

Evaporation Rate & Reference: