

OCCIDENTAL CHEMICAL CORPORATION -- MONOETHANOLAMINE 99% -- 6810-00-270-6207

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

Product ID:MONOETHANOLAMINE 99%

MSDS Date:10/29/1997

FSC:6810

NIIN:00-270-6207

MSDS Number: CFTFG

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Info Phone Num:214-404-3

523/716-286-3081

Emergency Phone Num:800-733-3665/716-278-7021

CAGE:0AH54

=== Contractor Identification ===

Company Name:A-J CHEMICAL & EQUIPMENT

Address:915 PLEASANT ST

Box:City:RICHMOND

State:VA

ZIP:23223

Country:US

Phone:804-737-8707

CAGE:0X818

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:5005 LYNDON B JOHNSON FWY

Box:City:DALLAS

State:TX

ZIP:75244-6198

Country:US

Phone:800-752-5151/972-404-3800

CAGE:0AH54

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

Ingred N

ame:ETHANOLAMINE
CAS:141-43-5
RTECS #:KJ5775000
Fraction by Wt: 99-100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3 PPM
ACGIH TLV:3 PPM/6 STEL; 9596

Ingred Name:ETHYLENE GLYCOL (SARA 313) (CERCLA)
CAS:107-21-1
RTECS #:KW2975000
Fraction by Wt: 0-.9%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:C STEL39PPM,A4,VAP96
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogeni
city:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INHALATION:IRRITATING & CAUSE
COUGHING & DISCOMFORT IN THE NOSE,THROAT & CHEST.SKIN:CAUSES
PAIN,SWELLING & BURNS. EYES:LIQUID CAUSES SEVERE
IRRITATION,PAIN,TEARING,REDNESS,SWELLING & CHEMICAL BU
RNS.INGESTION:MAY CAUSE CHEMICAL BURNS OF MOUTH,ESOPHAGUS,PAIN,
DIZZINESS,VOMITING & COMA.CHRONIC-KIDNEY & LIVER DAMAGE.
Effects of Overexposure:SEE HEALTH HAZARDS SECTION.
Medical Cond Aggravated by Exposure:MAY AG
GRAVATE AN EXISTING
DERMATITIS, ASTHMA & INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

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

First Aid:CALL A PHYSICIAN IN ALL CASES.INHALATION: REMOVE TO FRESH
AIR.GIVE CPR/OXYGEN IF NEEDED.EYES:FLUSH WITH WATER FOR 15
MINUTES.SKIN:WASH WITH SOAP & WATER.INGESTION:DON'T INDUCE
VOMITING.IF CONSCIOUS,DR INK AT LEAST TWO GLASSES OF MILK/WATER.

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

Flash

Point Method:TCC
Flash Point:185F,85C
Autoignition Temp:Autoignition Temp Text:410C
Lower Limits:5.5
Upper Limits:17

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR SUITABLE PROTECTIVE EQUIPMENT; AVOID
CONTACT WITH LIQUID & VAPORS! COLLECT FOR DISPOSAL. TOXIC TO
AQUATIC LIFE; AVOID DISCHARGE TO NATURAL WATERS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORAGE-STORE IN A COOL, DRY &
VENTILATED AREA AWAY FROM HEAT & FLAMES. KEEP CONTAINER CLOSED.

Other Precautions:DANGER! CAUSES EYE & SKIN BURNS. HARMFUL IF INHALED,
ABSORBED THROUGH SKIN, SWALLOWED. COMBUSTIBLE. REPEATED EXPOSURE MAY
CAUSE LIVER & KIDNEY DAMAGE. ASPIRATION MAY CAUSE LUNG DAMAGE. DON'T
GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPOR.

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

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING
APPARATUS WITH ORGANIC VAPOR FILTER.

Ventilation:GENERAL(MECHANICAL) ROOM VENTILATION IS ADEQUATE.
E.LOCAL

VENTILATION IF VAPORS CAN BE EXPECTED TO ESCAPE TO THE WORKPLACE.

Protective Gloves:PVC-COATED OR RUBBER

Eye Protection:MONOGOGGLES

Other Protective Equipment:EYE BATH, SAFETY SHOWER AND CHEMICAL APRON

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:B2

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

=====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products: CARBON MONOXIDE AND/OR CARBON DIOXIDE,
AND NITROGEN OXIDES.

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

Waste Disposal Methods: INCINERATE IN A FURNACE WHERE PERMITTED UNDER
APPROPRIATE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Disclaimer (provided with
this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.