

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

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===== 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.

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===== 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.

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===== 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.

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===== 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.

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===== 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.

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===== 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

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

HCC:B2

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===== Stability and Reactivity Data

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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.

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