

ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD -- PROPYLENE GLYCOL INDUSTRIAL --  
6810-00-394-3555

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

Product ID:PROPYLENE GLYCOL INDUSTRIAL

MSDS Date:11/03/1993

FSC:6810

NIIN:00-394-3555

MSDS Number: BDXLT

=== Responsible Party ===

Company Name:ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD

Address:1500 MARKET STREET

Box:7258

City:PHILADELPHIA

State:PA

ZIP:1910

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Country:US

Info Phone Num:800-321-7000

Emergency Phone Num:610-353-8300(CHEMTREC 800-424-9300)

CAGE:3D253

=== Contractor Identification ===

Company Name:ARCO CHEMICAL COMPANY, DIV OF ATLANTIC RICHFIELD

Address:1500 MARKET STREET

Box:7258

City:PHILADELPHIA

State:PA

ZIP:19101

Country:US

Phone:215-353-8300,CHEMTREC 800-424-9300

CAGE:3D253

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:WATER CHEMISTRY, INC  
Address:3404 AERIAL WAY DR SW  
Box:4273  
City:ROANOKE  
State:VA  
ZIP:24018-1504  
Country:US  
Phone:540-989-0400/343-3618  
CAGE:66378

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Composition/Information on Ingredients  
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Ingred Name:PROPYLENE GLYCOL  
CAS:57-55-6  
RTECS #:TY2000000  
Fraction by Wt: 99%  
Other REC Limits:NONE SPECIFIED

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Hazards Identification  
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Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:N  
O IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EXPOSURE MAY CAUSE EYE  
IRRITATION. NO SIGNIFIGANT EFFECTS OR SYMPTOMS EXPECTED IF VAPOR  
INHALED OR LIQUID INGESTED OR ON SKIN CONTACT. CHRONIC: NONE  
SPECIFIED BY MANUFACTURER.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:EYE-IRRITATION.  
Medical Cond Aggravated by Exposure:MAY AGGRAVATE PRE-EXISTING EYE  
DI  
SEASE.

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First Aid Measures  
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First Aid:EYES-IMMEDIATELY FLUSH WITH LOTS OF WATER FOR 15 MINUTES,  
LIFT LIDS. IF PAIN OCCURS OR IRRITATION PERSISTS, SEE PHYSICIAN.

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Fire Fighting Measures  
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Flash Point Method:TCC  
Flash Point:211F,99C  
Autoignition Temp:Autoignition Temp Text:700F  
Lower Limits:2.4  
Upper Limits:17.4  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL TYPE FOAM.  
Fire Fighting Proced

ures:WEAR SCBA AND PROTECTIVE EQUIPMENT. FIGHT FIRE FROM SAFE DISTANCE. USE WATER SPRAY/FOG FOR COOLING. AVOID FROTHING/ STEAM EXPLOSION.

Unusual Fire/Explosion Hazard:HEAT FROM FIRE CAN GENERATE FLAMMABLE VAPORS. VAPORS CAN EXPLODE WHEN CONFINED. VAPORS HEAVIER THAN AIR, CAN TRAVEL A LONG DISTANCE AND FLASHBACK.

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

Spill Release Procedures:LIMIT ACCESS OR EVACUATE. WEAR PROPER PERSONAL PROTECTIVE GEAR. STOP L

EAK. ABSORB WITH INERT MATERAIL AND PLACE IN A CONTAINER FOR LATER DISPOSAL. MAY CONTAMINATE WATER SUPPLIES/PUBLIC WATERS. NOTIFY AUTHIRITIES PER REGULATORY REQUIREMENTS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS, AWAY FROM HEAT, MOISTURED, STRONG OXIDIZERS. STORE AT 65-90F. USE DRY NITROGEN OR LOW DEW POINT AIR FOR TANK PAD.

Othe  
r Precautions:CLEAN EQUIPMENT WITH WATER.

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

Respiratory Protection:NONE NORMALLY REQUIRED.

Ventilation:NO SPECIAL VENTILATION.

Protective Gloves:NOT NORMALLY REQUIRED.

Eye Protection:CHEMICAL SPLASH GOGGLES. FACE SHIELD.

Other Protective Equipment:NONE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, USE TOILET FACILITIES.

Supplemental Safety and Health

PROMPTLY REMOVE SOILED CLOTHING/WASH THOROUGHLY BEF  
ORE REUSE. SHOWER  
AFTER WORK USING PLENTY SOAP & WATER.

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

HCC:N1

Boiling Pt:B.P. Text:365F,185C

Melt/Freeze Pt:M.P/F.P Text:76.0F,24.4C

Vapor Pres:0.08

Vapor Density:2.6

Spec Gravity:1.04

Viscosity:46 CPS @ 77F

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, ALMOST ODORLESS, SLIGHTLY VISCOUS LIQUID.

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

Stability Indicator/Materials to Avoid:Y

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STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH TEMPERATURES, MOISTURE. PRODUCT IS  
HYGROSCOPIC. STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:CARBON MONOXIDE & OTHER HARMFUL  
GASES/VAPORS.

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.  
LANDFILL SOLIDS. BURN CONCENTRATED LIQUIDS. COMPLY WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.  
CONTAMIN  
ATED PRODUCT, SOIL, WATER S HOULD NOT BE DESIGNATED RCRA  
HAZARDOUS WASTE.

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