

J. B. WATTS COMPANY, INC. -- ANTIFREEZE, ETHYLENE GLYCOL -- 6850-00-181-7933

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Product Identification  
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Product ID:ANTIFREEZE, ETHYLENE GLYCOL

MSDS Date:01/01/1987

FSC:6850

NIIN:00-181-7933

MSDS Number: BHBGH

=== Responsible Party ===

Company Name:J. B. WATTS COMPANY, INC.

Address:50 WEST 60TH STREET

City:CHICAGO

State:IL

ZIP:60621

Info Phone Num:312-324-4900

Emergency Phone Num:800-424-9

300 (CHEMTREC)

Preparer's Name:BARRY WATTS.

CAGE:7U402

=== Contractor Identification ===

Company Name:J. B. WATTS COMPANY, INC.

Address:50 WEST 60TH STREET

Box:City:CHICAGO

State:IL

ZIP:60621-3906

Country:US

Phone:312-324-4900

CAGE:7U402

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Composition/Information on Ingredients  
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Ingred Name:ETHYLENE GLYCOL (SARA III)

CAS:107-21-1

RTECS #:KW2975000

OSHA PEL:C 50 PPM

ACGIH TLV:C 50 PPM,VAPOR; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:DIETHYLENE GLYCOL

CAS:11

1-46-6  
RTECS #:ID5950000  
ACGIH TLV:25 PPM

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

LD50 LC50 Mixture:ACUTE ORAL LD50 (RAT) IS 5840 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EYE AND SKIN CONTACT- PRIMARY IRRITATION TO SKIN, DEFATTING, DERMATITIS. PRIMARY IRRITATION TO EYES, REDNESS, TEARING, BLURRED VISION. ABSORPTION THRU SKIN INCREASES EXPOSURE. SWALLOWING- HARMFUL OR FATAL IF SWALLOWED. SWALLOWING MAY CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING. AVOID BREATHING VAPORS OR MISTS.  
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Conditions Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN OR RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. CALL A PHYSICIAN IF DISCOMFORT PERSISTS. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN: WASH WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHING/SHOES. INGESTION: IF CONSCIOUS, GIVE 2 GLASSES OF WATER TO DRINK AND INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:TCC  
Flash Point:245F,118C  
Lower Limits:1.5  
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:KEEP CONTAINER TIGHTLY CLOSED, ISOLATE FROM OXIDIZERS, HEAT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EX

TREME HEAT.

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

Spill Release Procedures:SMALL SPILL: WIPE/SOAK UP WITH PAPER TOWEL OR INERT ABSORBANT. PUT IN DISPOSAL CONTAINER. FLUSH RESIDUE WITH WATER. LARGE SPILL: VENTILATE AREA. IF POSSIBLE, STOP LEAK. DIKE TO RETAIN RUN OFF. VACUUM UP FREE LIQUID. FLUSH RESIDUE WITH WATER. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER. WATER DILUTION RECOMMENDED.

===== Handling and Storage =====  
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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS ADEQUATE IF USE IS ENCLOSED. LOCAL EXHAUST IS NEEDED IF VENTED INTO WORK AREA.

Protective Gloves:NEOPRENE, NITRILE, PVC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

DO NOT TAKE INTERNALLY. DO NOT GET ON SKIN OR IN EYES. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. DO NOT BREATHE MISTS. WASH THOROUGHLY AFTER HANDLING AND BEFORE

EATING OR DRINKING OR SMOKING  
OR USING RESTROOM.

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

HCC:V5  
Boiling Pt:B.P. Text:339F,171C  
Vapor Pres:0.4  
Vapor Density:2.1  
Spec Gravity:1.114  
Appearance and Odor:GREEN LIQUID WITH MILD ODOR  
Percent Volatiles by Volume:97

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OXIDIZERS AND

OPEN FLAMES

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

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE BY INCINERATION IN  
ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND  
REGULATIONS. AT VERY LOW CONCENTRATIONS IN WATER, DISPOSE OF THIS  
MATERIAL IN A BIOLOGICAL W ASTEWATER TREATMENT PLANT.

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