

OLD WORLD INDUSTRIES INC -- FLEET CHARGE ANTIFREEZE & COOLANT -- 6850-01-464-9152
===== Product Identification =====

Product ID:FLEET CHARGE ANTIFREEZE & COOLANT

MSDS Date:05/15/2001

FSC:6850

NIIN:01-464-9152

MSDS Number: CLCZD

=== Responsible Party ===

Company Name:OLD WORLD INDUSTRIES INC

Address:4065 COMMERCIAL AVE

City:NORTHBROOK

State:IL

ZIP:60062-1851

Country:US

Info Phone Num:847-559-2000/

2116/FAX: 847-559-2173

Emergency Phone Num:(800) 424-9300

Chemtec Ind/Phone:(800)424-9300

CAGE:0U3B1

=== Contractor Identification ===

Company Name:LEADER AUTOMOTIVE

Address:6853 W 60TH PL

Box:UNKNOW

City:CHICAGO

State:IL

ZIP:60638-4033

Country:US

Phone:847-559-2000

Contract Num:SP0450-01-D-4072

CAGE:06XY2

Company Name:OLD WORLD INDUSTRIES INC

Address:4065 COMMERCIAL AVE

Box:City:NORTHBROOK

State:IL

ZIP:60062-1851

Country:US

Phone:847-559-2000/2116/FAX: 847-559-2173

CAGE:0U3B1

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Composition/Information on Ingredients =====

Ingred Name:ETHYLENE GLYCOL

CAS:107-21-1

RTECS #:KW2975000

Minumum % Wt:90.

Maxumum % Wt:95.

ACGIH STEL:C127 MG/M3;C50 PPM

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:DIETHYLENE GLYCOL

CAS:111-46-6

RTECS #:ID5950000

Minumum % Wt:0.

Maxumum % Wt:5.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards

Acute and Chronic:EYES: SLIGHT TRANSIENT IRRITATION.

SKIN: REPEATED EXPOSURE MAY RESULT IN ABSORPTION OF HARMFUL AMOUNTS. MASSIVE CONTACT WITH DAMAGED SKIN OR OF MATERIAL SUFFICIENTLY HOT TO BURN SKIN MAY RESULT IN ABSORPTION.

INGESTION: EXCESSIVE EXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, CARDIOPULMONARY EFFECTS (METABOLIC ACIDOSIS), AND KIDNEY FAILURE. SWALLOWING LARGER AMOUNTS MAY CAUSE SERIOUS INJURY, EVEN DEATH. INHALATION: HIGH TEMPERATURES MAY GENERATE VAPOR LEVELS

ERATE VAPOR LEVELS

SUFFICIENT TO CAUSE ADVERSE EFFECTS. SYSTEM EFFECTS: REPEATED EXCESSIVE EXPOSURES MAY CAUSE SEVERE KIDNEY, LIVER, & GASTROINTESTINAL EFFECTS.

Explanation of Carcinogenicity:BASED ON DATA FROM LONG-TERM ANIMAL

STUDIES, ETHYLENE GLYCOL IS NOT BELIEVED TO POSE A CARCINOGENIC RISK TO MAN.

Effects of Overexposure:SYSTEMIC EFFECTS: EXCESSIVE EXPOSURE MAY CAUSE

NAUSEA AND/OR VOMITING. ANESTHETIC OR NARCOTIC EFFECTS MAY BE OBSERVED.

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== First Aid Measures =====

First Aid:EYES: IMMEDIATELY FLUSH W/ LARGE AMOUNTS OF WATER FOR 15 MIN, LIFTING/LOWERING LIDS. SKIN: FLUSH AREA OF CONTACT W/ LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN WHILE REMOVING CONTAMINATED CLOTHING. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR & CALL EMERGENCY MEDICAL CARE. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INGESTION: OBTAIN IMMEDIATE MEDICAL ATTENTION.

IF PATIENT IS FULLY CONSCIOUS, GIVE TWO GLASSES OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATT'N FOR ALL ROUTES.

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

Flash Point Method:SCC

Flash Point:119.C, 246.2F

Lower Limits:3.2%

Upper Limits:22%

Extinguishing Media:WATER FOG OR FINE SPRAY. ALCOHOL RESISTANT FOAM (ATC TYPE) ARE PREFERRED IF AVAILABLE. GENERAL PURPOSE SYNTHETIC FOAMS (INCLUDING AFFF) OR PROTEIN FOAMS MAY FUNCTION.

Fire Fighting Procedures:

CARBON DIOXIDE OR DRY CHEMICAL MAY ALSO BE USED TO EXTINGUISH FIRE. WEAR POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS (SCBA) AND PROTECTIVE FIRE FIGHTING CLOTHING (INCLUDES FIRE-FIGHTING HEL MET, COAT, PANTS, BOOTS AND GLOVES). AUTOIGNITION TEMPERATURE FOR ETHYLENE GLYCOL IS 398C (748F).

Unusual Fire/Explosion Hazard:ETHYLENE GLYCOL OR SOLUTIONS OF ETHYLENE GLYCOL & WATER CAN FORM FLAMMABLE VAPORS WITH AIR IF HEATED SUFFICIENTLY. KEEP PEOPLE AWAY ISOLATE FIRE AREA AND DENY UNNECESSARY ENTRY.

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

Spill Release Procedures:KEEP PEOPLE AWAY FROM SPILL. PVC-COATED RUBBER GLOVES & MONOGOGGLES OR FACESHIELD CAN BE USED DURING CLEANUP OF SPILL SITE. DO NOT DUMP USED PRODUCT OR DILUTED MATERIAL INTO SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. SMALL SPILLS: SOAK UP WITH ABSORBENT MATERIAL. LARGE SPILLS: DIKE & PUMP INTO SUITABLE CONTAINERS FOR DISPOSAL. ENSURE COMPL

ANCE WITH ALL
APPLICABLE STATUES.

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Handling and Storage
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Handling and Storage Precautions:PRODUCT ON SURFACES CAN CAUSE SLIPPERY
CONDITIONS. PRACTICE REASONABLE CARE AND CLEANLINESS. AVOID
BREATHING SPRAY MIST IF GENERATED. KEEP OUT OF REACH OF CHILDREN.
PRODUCT MAY BECOME A SOLID AT TEMPE RATURS BELOW -18C (0F). DO NOT
STORE NEAR FOOD, FOODSTUFFS, DRUGS OR POTABLE WATER SUPPLIES.

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Exposure Controls/Personal Prote
ction
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Respiratory Protection:RESPIRATORY PROTECTION IS REQUIRED IF AIRBORNE
CONCENTRATION EXCEEDS TLV.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV
REQUIREMENTS.

Protective Gloves:POLYETHYLENE; NEOPRENE, NITRILE; POLYVINYL ALCOHOL;
NATURAL RUBBER, BUTYL RUBBE

Eye Protection:SAFETY GOGGLES AND FACE SHIELD.

Other Protective Equipment:SAFETY SHOWER SHOULD BE AVAILABLE. EMERGENCY
EYEWASH SHOULD BE AVAILABLE.

Work Hygienic Practices:CONTACT LENSES S
HOULD NOT BE WORN WHEN WORKING
WITH THIS CHEMICAL.

Supplemental Safety and Health
NONE

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Physical/Chemical Properties
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HCC:V5

Boiling Pt:=171.C, 339.8F

B.P. Text:(339 - 348F)

Melt/Freeze Pt:=-18.C, -.4F

Vapor Pres: