

OLD WORLD INDUSTRIES INC -- FLEET CHARGE 60/40 ANTIFREEZE & COOLANT --  
6850-01-464-9096

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

Product ID:FLEET CHARGE 60/40 ANTIFREEZE & COOLANT

MSDS Date:05/15/2000

FSC:6850

NIIN:01-464-9096

MSDS Number: CLCZV

=== Responsible Party ===

Company Name:OLD WORLD INDUSTRIES INC

Address:4065 COMMERCIAL AVE

City:NORTHBROOK

State:IL

ZIP:60062-1851

Country:US

Info Phone Num:8

47-559-2000/2116/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  
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Ingred Name:ETHYLENE GLYCOL

CAS:107-21-1

RTECS #:KW2975000

= Wt:60.

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.

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:35.

Maxumum % Wt:40.

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Hazards Identification  
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LD50 LC50 Mixture:LD50 (RATS) 6000-13000 MG/KG

Route

s 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 SKIN EXPOSURE MAY RESULT IN ABSORPTION OF HARMFUL AMOUNTS. INGESTION: SINGLE DOES ORAL TOXICITY IS CONSIDERED TO BE MODERATE. EXCESSIVE EXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, CARDIOPULMONARY EFFECTS (METABOLIC ACIDOSIS), & KIDNEY FAILURE. SWALLOWING LARGE AMOUNTS MAY CAUSE SER

IOUS INJURY, EVEN

DEATH. INHALATION: HIGHER TEMPERATURES M AY GENERATE VAPOR LEVELS SUFFICIENT TO CAUSE ADVERSE 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:EXCESSIVE EXPOSURE MAY CAUSE NAUSEA AND/OR

VOMITING. MAY ALSO CAUSE ANESTHETIC OR NARCOTIC EFFECTS.

TERATOLOGY: EXPOSURE TO ETHYLENE GLYCOL HAS CAUSED BIRTH DEFECTS N LABORATORY A

NIMALS ONLY AT DOS ES TOXIC TO THE MOTHER.

REPRODUCTIVE EFFECTS: ETHYLENE GLYCOL HAS NOT INTRFERED WITH REPRODUCTIVE IN ANIMAL STUDIES EXCEPT AT VERY HIGH DOSES.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MIN, LIFTING EYE LIDS. GET MEDICAL ATT'N IMMEDIATELY. SKIN: FLUSH AREA WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN WHILE REMOVING CONTAM INATED 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: I F FULLY CONSCIOUS, GIVE TWO GLASSES OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATT'N AS NEEDED FOR ALL ROUTES OF EXPOSURE.

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

Flash Point Method:SCC

Flash Point:=119.C, 246.2F

Lower Limits:3.2%

Upper Limits:22%

Extinguishing Media:WATER FOG O

R FINE SPRAY. ALCOHOL RESISTANT FOAMS

(ATC TYPE) ARE PREFERRED IF AVAILABLE. GENERAL PURPOSE SYNTHETIC FOAMS (INCLUDING AFFF) OR PROTEIN FOAMS MAY FUNCTION.

Fire Fighting Procedures:WEAR POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS (SCBA) AND PROTECTIVE FIRE FIGHTING CLOTHING (INCLUDES FIRE-FIGHTING HELMET, COAT, PANTS, BOOTS AND GLOVES).

Unusual Fire/Explosion Hazard:NO FIRE & EXPLOSION HAZARDS EXPECTED UNDER NORMAL STORAGE & HANDLING CONDITIONS (I.E., AMBIENT T

EMPERATURES). HOWEVER, ETHYLENE GLYCOL OR SOLUTIONS OF ETHYLENE GLYCOL & WATER CAN FORM FLAMMABLE VAPORS W/ AIR IF HEATED SUFFICIENTLY. KEEP PEOPLE AWAY. ISOLATE FIRE AREA & DENY UNNECESSARY ENTRY.

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

Spill Release Procedures:KEEP PEOPLE AWAY FROM SPILL SITE. PVC-COATED GLOVES & MONOGOGGLES OR FACESHIELD CAN BE USED DURING CLEANUP OF SPILL SITE. SMALL SPILLS: SOAK UP WITH ABSORBENT MATERIAL. LARGE SPILLS

: DIKE & PUMP INTO SUITABLE CONTAINERS FOR DISPOSAL. ENSURE COMPLIANCE WITH ALL APPLICABLE STATUES THAT REQUIRE NOTIFICATION OF APPROPRIATE GOVERNMENT OFFICIALS.

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

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

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

Respiratory Protection:RESPIRATORY PROTECTION IS REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT ANY DETECTABLE CONCENTRATION, ANY SCBA W/ A FULL FACEPIECE & OPERATED IN A PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE OR ANY SUPPLIED-AIR RESPIRATOR W/ A FULL FACEPIECE & OPERATED IN A PRESSURE-DEMAND OR OTHER POSITIVE

PRESSURE MODE IN COMBINATION W/ AN AUXILIARY SCBA OPERATED Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

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

Eye Protection:SAFETY GOGGLES AND FACE SHIELD.

Other Protective Equipment:PROTECTIVE GLOVES RECOMMENDED WHEN PROLONGED SKIN CONTACT CANNOT BE AVOIDED. SAFETY SHOWER SHOULD BE AVAILABLE. EMERGENCY EYEWASH SHOULD BE AVAILABLE.

Work Hygienic Practice

s:CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS CHEMICAL.

Supplemental Safety and Health

ESCAPE: ANY AIR-PURIFYING FULL FACEPIECE RESPIRATOR (GAS MASK) WITH A CHIN-STYLE OR FRONT-OR-BACK-MOUNTED ORGANIC VAPOR CANISTER OR ANY APPROPRIATE ESCAPE-TYPE SELF-CONTAINED BREATHING APPARATUS.

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

HCC:V5

Boiling Pt:=132.2C, 270.F

Melt/Freeze Pt:=-48.3C, -55.F

M.P/F.P Text:-55F TO -65F

Vapor Pres: