

OLD WORLD AUTOMOTIVE PRODUCTS INC -- FULL FORCE ANTIFREEZE AND COOLANT --
6850-00-664-1403

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

Product ID:FULL FORCE ANTIFREEZE AND COOLANT
MSDS Date:07/01/1991
FSC:6850
NIIN:00-664-1403
MSDS Number: BMCDD
=== Responsible Party ===
Company Name:OLD WORLD AUTOMOTIVE PRODUCTS INC
Address:4065 COMMERCIAL AVE
City:NORTHBROOK
State:IL
ZIP:60062
Country:US
Info Phone Num:
708-559-2000
Emergency Phone Num:800-424-9300
Preparer's Name:MICHAEL T BUSCHEK
CAGE:0FGA3
=== Contractor Identification ===
Company Name:OLD WORLD AUTOMOTIVE PRODUCTS INC
Address:4065 COMMERCIAL AVE
Box:City:NORTHBROOK
State:IL
ZIP:60062
Country:US
Phone:708-559-2000
CAGE:0FGA3

===== Composition/Information on Ingredients =====

Ingred Name:ETHYLENE GLYCOL (SARA 313)
CAS:107-21-1
RTECS #:KW2975000
Fraction by Wt: 90 - 95%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:50 PPM CEILI

NG
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:DIETHYLENE GLYCOL
CAS:111-46-6
RTECS #:ID5950000
Fraction by Wt: 0 - 5%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:25 PPM

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

LD50 LC50 Mixture:LD50 ORAL-5840 MG/KG (RAT)
Routes of Entry: Inhalation:UNKNOWN Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRIMARY IRRITATION TO SKIN, DEFATTING,
DERMATITIS. ABSORPTION
THROUGH SKIN INCREASES EXPOSURE. SWALLOWING:
HARMFUL OR FATAL IF SWALLOWED. LIQUID CAUSES EYE IRRITATION. WASH
THOROUGHLY AFTER HANDLING. LD50 SKIN-9530 MG/KG (RABBITS).
Explanation of Carcinogenicity:THIS PRODUCT HAS NO CARCINOGENS LISTED
BY IARC, NTP, NIOSH, OSHA OR ACGIH AS OF THIS DATE, GREATER OR
EQUAL TO 0.1%.
Effects of Overexposure:PRIMARY IRRITATION TO EYES, REDNESS, TEARING,
BLURRED VISION. SWALLOWING MAY CAUSE ABDOMINAL IRRITATION, NAUSEA,
VOMITING AND DIARRHE

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

First Aid:IN CASE OF CONTACT W/SKIN, FLUSH W/PLENTY OF WATER. EYES,
FLUSH W/WATER--15 MINUTES & GET MED ATTN. AFTER HIGH VAPOR EXPOS,
REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF
BREATHING HAS STOPPED, GIVE ARTIF RESP. IF SWALLOWED CALL A DR
IMMEDIATELY. INDUCE VOMITING PROMPTLY FOLLOWING DR INSTRUCTIONS OR
HAVING PATIENT STICK FINGER DOWN THROAT. NOTHING BY MOUTH TO
UNCONSCIOUS
PERSON.

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

Flash Point Method:TCC
Flash Point:245F,118C
Autoignition Temp:Autoignition Temp Text:750 F
Lower Limits:1.5
Extinguishing Media:NFPA CLASS B EXTINGUISHERS FOR CLASS B LIQUID FIRES
(DRY CHEMICAL, FOAM, OR CARBON DIOXIDE).
Fire Fighting Procedures:WTR SPRAY INEFFECTIVE--FOG NOZZLE (PROTECT
FIREMEN/COOL CLSD CNTNRS). DON'T ENTER CONFINED FIRE-SPACE W/O FULL
BUNKER GEAR, NIOSH SCBA. NO OXIDIZER/FLAME/HEAT.

Un

usual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE IF EXPOS TO HEAT. APPLYING TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. EMPTY CONTAINER VERY HAZARDOUS. FOLLOW LABEL PRECAUTIONS.

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

Spill Release Procedures:SMALL, MOP UP WITH ABSORBENT MATERIAL & TRANSFER TO HOOD. LARGE, ISOLATE FROM OXIDIZERS, HEAT & OPEN FLAME. PERSON WITHOUT PROPER PROTECTION SHOULD BE KEPT FROM AN AREA UNTIL CLEANED UP.

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

Handling and Storage Precautions:STORE LARGE AMOUNTS IN STRUCTURES MADE FOR OSHA CLASS "OTHER" LIQUIDS. AVOID FREE FALL OF LIQUID. GROUND CONTAINERS WHEN TRANSFERRING.

Other Precautions:AVOID PROLONGED OR REPEATED BREATHING OF VAPOR OR SPRAY MIST. DO NOT GET IN EYES, ON SKIN OR CLOTHING. DO NOT TAKE INTERNALLY. DO NOT CUT, BRAZE OR WELD. EMPTY CONTAINER VERY HAZARDOUS. FOLLOW ALL LAB EL PRECAUTIONS.

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

Respiratory Protection:VENTILATE TO KEEP AIR BELOW 45 PPM. IF OVER TLV, IN ACCORDANCE WITH 29 CFR (SPECIFIC TYPE) 1910.134, USE A NIOSH APPROVED POSITIVE-PRESSURE SELF CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST: NECESSARY. MECHANICAL (GENERAL): ACCEPTABLE. SPECIAL: NONE. OTHER: NONE.

Protective Gloves:WEAR GLOVES IMPERVIOUS TO MATERIAL.

Eye Protection:OSHA STANDARD GOGGLES WITH FACE SHIELD.

Other Protective Equipment

:CONSULT SAFETY EQUIPMENT SUPPLIER. WEAR GLOVES, APRON & FOOTWEAR IMPERVIOUS TO THIS MATERIAL.

Work Hygienic Practices:WASH CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:B3

Boiling Pt:B.P. Text:339 TO 398F

Vapor Pres:0.4 @ 20C

Vapor Density:2.1

Spec Gravity:1.12

pH:9-11.5

Evaporation Rate & Reference:LONG (ETHER=1)

Appearance and Odor:GREEN; MILD ODOR.

Percent Volatiles by Volume:97.0

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATES, CHROMATES AND PEROXIDES.

Stability Condition to Avoid: ISOLATE FROM OXIDIZERS, HEAT AND OPEN FLAME.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE FROM BURNING.

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

Waste Disposal Methods: SMALL: EVAPORATE UNTIL ALL VAPORS ARE GONE. DISPOSE OF REMAINDER BY L

EQUALLY APPLICABLE METHODS. LARGE: RECYCLE OR INCINERATE OBSERVING LOCAL, STATE & FEDERAL HEALTH, SAFETY & POLLUTION. OTHER

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