

OLD WORLD INDUSTRIES INC -- FLEET CHARGE HEAVY DUTY COLLANT/ANTIFREEZE --
6850-01-441-3223

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

Product ID:FLEET CHARGE HEAVY DUTY COLLANT/ANTIFREEZE

MSDS Date:02/01/1996

FSC:6850

NIIN:01-441-3223

MSDS Number: CGNBH

=== 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

Emergency Phone Num:847-559-2000

CAGE:0U3B1

=== Contractor Identification ===

Company Name:DAVIS PETROLEUM SERVICES, INC

Address:3517 ASHER AVE

Box:24864

City:LITTLE ROCK

State:AR

ZIP:72204

Country:US

Phone:501-663-0003

CAGE:0VTU2

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

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

Ingred

Name:ETHYLENE GLYCOL (SARA 313) (CERCLA)
CAS:107-21-1
RTECS #:KW2975000
Fraction by Wt: 90-95%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:C STEL39PPM,A4,VAP96
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 RECOMMENDED

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

LD50 LC50 Mixture:LD50 (HUMANS): 100 ML 3 OZ (ESTIMATED)

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports

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

Health Hazards Acute and Chronic:AT HIGH TEMPERATURES INHALATION OF VAPORS MAY CAUSE ADVERSE EFFECTS. PROLONGED/REPEATED SKIN CONTACT MAY RESULT IN ABSORPTION OF HARMFUL AMOUNTS. EYE CONTACT MAY CAUSE SLIGHT TRANSIENT IRRITATION. VAP ORS OF MISTS MAY CAUSE EYE IRRITATION. INGESTION OF EXCESSIVE AMOUNTS MAY CAUSE CNS EFFECTS, CARIOPULMONARY EFFECTS.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENT

RATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:TEMPORARY EYE IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS, CARDIOPULMONARY EFFECTS, METABOLIC ACIDOSIS, KIDNEY FAILURE, DEATH, NAUSEA, VOMITING, ANESTHETIC EFFECTS, NARCOTIC EFFECTS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELI

DS

OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP & WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: GIVE 2 GLASSES OF WATER & IMMEDIATELY CALL PHYSICIAN. INDUCE VOMITING OF CONSCIOUS PATIENT. SMALL AMOUNTS CAN BE RINSED.

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

Flash Point Method:SCC

Flash Point:246F,119C

Lower Limits:3.

20 %

Upper Limits:NOT GIVEN

Extinguishing Media:WATER FOR OR FINE SPRAY, ALCOHOL RESISTANT FOAM, CARBON DIOXIDE, DRY CHEMICAL. DO NOT USE DIRECT WATER SPRAY.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard:SOLUTION OF ETHYLENE GLYCOL AND 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:TAKE ADEQUATE PRECAUTIONS TO KEEP PEOPLE, ESPECIALLY CHILDREN AWAY FROM SPILL SITE. PVC COATED RUBBER GLOVES AND MONOGOGGLES OR FACESHIELD CAN BE USED DURING CLEANUP OF SPILL SITE. SOAK UP WITH ABSORBENT MATERIAL AND COLLECT FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== 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 MISTS IF GENERATED.

Other Precautions:KEEP OUT OF REACH OF CHILDREN. PRODUCT MAY BECOME A SOLID AT TEMPERATURES BELOW 8F. DO NOT STORE NEAT FOOD, FOODSTUFFS, DRUGS OR POTABLE WATER SUPPLIES.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATION EXP

OSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AI R-PURIFYING RESPIRATOR.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW RESPECTIVE TLV'S.

Protective Gloves:POLYETHYLENE, NEOPRENE, NITRILE, PVA

Eye Protection:CHEMICAL GOGGLES, SAFETY GLASSES W/SIDES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. A

N EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

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

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

HCC:V5

Boiling Pt:B.P. Text:339F,171C

Melt/Freeze Pt:M.P/F.P Text:-8F,-22C

Vapor Pres:< 0.1

Vapor Density:2.1

Spec Gravity:1.12

Evaporation Rate

& Reference:NIL (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:MILD ODOR

Percent Volatiles by Volume:O %

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS SUCH AS PERMANGANATES, CHROMATES AND PEROXIDES.

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

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, TRACE AMOUNTS OF ALDEHYDES AND ORGANIC ACIDS.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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