

VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC. -- PYROIL CARB CLEANER (BONUS)12/15.6 OZ -- 6850-01-085-1423

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

Product ID:PYROIL CARB CLEANER (BONUS)12/15.6 OZ

MSDS Date:07/14/1995

FSC:6850

NIIN:01-085-1423

MSDS Number: CFKGJ

=== Responsible Party ===

Company Name:VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC.

Address:200 E MAIN ST

Box:14000

City:LEXINGTON

State:

KY

ZIP:40512

Country:US

Info Phone Num:606-264-7000/7616;FAX 601-429-0537

Emergency Phone Num:800-ASHLAND/800-274-5263

CAGE:72527

=== Contractor Identification ===

Company Name:JEM SALES INC INCHEMCO DIV

Address:430 LAVENDER DR

Box:City:ROME

State:GA

ZIP:30165-2262

Country:US

Phone:706-232-1709

CAGE:0AZD7

Company Name:VALVOLINE OIL CO

Address:3499 BLAZER PKY

Box:14000

City:LEXINGTON

State:KY

ZIP:40512

Country:US

Phone:606-357-7206 / 800-274-5263

CAGE:72527

===== Composition/Informati

on on Ingredients =====

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA 313) (CERCLA)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 39%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/150STEL;9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA 313) (CERCLA)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 26%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 200 PPM

ACGIH TLV:S,200PPM/250STEL; 96

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000

LBS

Ingred Name:ACETONE (SARA 313) (CERCLA)

CAS:67-64-1

RTECS #:AL3150000

Fraction by Wt: 20-30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:750PPM/1000STEL;9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:PROPANE

CAS:74-98-6

RTECS #:TX2275000

Fraction by Wt: 4.5-15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:ASPHYXIAN; 9596

Ingred Name:ETHYL BENZENE (SARA 313)

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: 6.9-7.7%

Other REC Limits:NONE RECOMM

ENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM/125STEL;9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION OF MIST MAY CAUSE
RESPIRATORY IRRITATION,. SKIN EXPOSURE MAY CAUSE MILD IRRITATION.
PROLONGED OR REPEATED CONTACT MAY DRY
THE SKIN. EYE EXPOSURE CAUSES
IRRITATION. SWALLOWING SMALL AMOUNTS I S NOT LIKELY TO CAUSE
HARMFUL EFFECTS. ASPIRATION HAZARD.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:NAUSEA, VOMITING, DIARRHEA,
NOSE/THROAT/RESPIRATORY TRACT IRRITATION, CENTRAL NERVOUS SYSTEM
DEPRESSION, DROWSINESS, DIZZINESS, WEAKNESS, FATIGUE, NAUSE,
HEADACHE, UNCONS
CIOUSNESS, DEATH, EYE IRRITATI
ON/TEARING/STINGING/REDNESS/SWELLING, SKIN
IRRITATION/DRYNESS/REDNESS/BURNING/CRACKING.
Medical Cond Aggravated by Exposure:PRE-EXISTING LUNG DISORDERS, E.G.
ASTHMAPLIKE CONDITIONS MAY BE AGGRAVATED BY EXPOSURE TO THIS
MATERIAL.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH
SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL
ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET
MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF OCCURS,
KEEP HEAD BELOW HIPS. GET MEDICAL ATTENTION.

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

Flash Point:> 18 INCHES
Lower Limits:1.00 %
Upper Limits:36.5 %
Extinguishing Media:REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICAL
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONT

AINED

BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard:VAPOR IS FLAMMABLE AND HEAVIER THAN AIR AND MAY TRAVEL TO SOURCE OF IGNITION AND FLASHBACK. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL TO REDUCE PRESSURE.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION (FLAME, SPARK SOURCES, HOT SURFACES). VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS. PREVENT SPILL FROM ENTERING WATERWAYS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES AND SPARK SOURCES. VENTILATE AREA.

Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATION EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR.

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

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:CHEMICAL GOGGLES, SAFETY GLASSES W/SIDES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

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

LITIES.

Supplemental Safety and Health

REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

HCC:F5

Boiling Pt:B.P. Text:133F,56C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:182

Vapor Density:> 1

Spec Gravity:.770

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NOT GIVEN

Appearance and Odor:LIQUID, ODOR NOT SPECIFIED

Percent Volatiles by Volume:100%

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

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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
VARIOUS HYDROCARBONS.

===== 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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