

VALVOLINE OIL CO SUBSIDIARY OF ASHLAND OIL INC. -- 7200, 7216, PREMIUM
STARTING FLUID -- 6850-00-823-7861

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

Product ID:7200, 7216, PREMIUM STARTING FLUID
MSDS Date:07/19/1989
FSC:6850
NIIN:00-823-7861
MSDS Number: CCLTD
=== 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:BALKAMP INC
Address:2601 S HOLT ROAD
Box:City:INDIANAPOLIS
State:IN
ZIP:46241
Country:US
Phone:317-244-7241
CAGE:70842
Company Name:NAPA, A DIVISION OF LINCOLN AUTOMOTIVE
Address:ONE LINCOLN WAY
Box:City:ST. LOUIS
State:MO
ZIP:63120-1578
Country:US
Phone:414-255-5520
CAGE:050Q3
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/Information on Ingredients =====

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 1-10%
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

Ingred Name:N-HEPTANE
CAS:142-82-5

RTECS #:MI7700000
 Fraction by Wt: 55-70%
 OSHA PEL:500 PPM/500 STEL
 ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:ETHYL ETHER (SARA III)
 CAS:60-29-7
 RTECS #:KI5775000
 Fraction by Wt: 25-40%
 OSHA PEL:400 PPM/500 STEL
 ACGIH TLV:400PPM/500STEL; 9192
 EPA Rpt Qty:100 LBS
 DOT Rpt Qty:100 LBS

Ingred Name:HEXANE (N-HEXANE)
 CAS:110-54-3
 RTECS #:MN9275000
 Fraction by Wt: 1-10%
 OSHA PEL:500 PPM
 ACGIH TLV:50 PPM; 9293
 EPA Rpt Qty:1 LB
 DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
 Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
 Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
 Health Hazards Acute and Chronic:PROLONGED &/OR REPEATED SKIN CONTACT
 MAY CAUSE IRRITATION, DEFATTING, DERMATITIS. EYE:MAY CAUSE SEVERE
 IRRITATION, REDNESS, TEARING, BLURRED VISION. SWALLOWING:MAY CAUSE
 G/I IRRITATION, NAUSEA, VOMITI NG, DIARRHEA. BREATHING:NASAL &
 RESPIRATORY IRRITATION, CNS EFFECTS.
 Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT
 CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE
 CARCINOGENIC.
 Effects of Overexposure:MFR GAVE NO INFORMATION OF MSDS. SEE HEALTH
 HAZARDS.
 Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION OF MSDS.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.
 EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE
 CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:REMOVE FROM
 EXPOSURE. A ID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT
 INDUCE VOMITING. KEEP VICTIM WARM & QUIET & GET IMMEDIATE MEDICAL
 ATTENTION. ASPIRATION INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS -
 POSSIBLY FATAL.

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

Flash Point Method:TCC
 Flash Point:<-50.C, -58.F
 Lower Limits:1
 Extinguishing Media:REGULAR FOAM OR CO2 OR DRY CHEMICAL.
 Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINERS
 COOL. WEAR SELF-CONTAINED BREATHING APPARATUS W/FULL FACEPIECE
 OPERATED IN POSITIVE PRESSURE MODE FOR FIGHTING FIRE
 Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON OR

NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN
IGNITE EXPLOSIVELY.

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

Spill Release Procedures:SMALL SPILL:ALLOW TO EVAPORATE. VENTILATE
AREA. EMIMINATE IGNITION SOURCES. LARGE SPILL:ELIMINATE IGNITION
SOURCES. EVACUATE UNPROTECTED PERSONNEL UNTIL LEAK IS REPAIRED.
Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

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

Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE
HAZARDOUS WHEN EMPTIED. OBSERVE WITH THEM ALL HAZARD PRECAUTIONS
LISTED IN THIS DOCUMENT.
Other Precautions:NONE

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

Respiratory Protection:IF EXPOSURE LIMITS OF PRODUCT IS EXCEEDED WEAR A
NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IN THE ABSENCE OF
PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS PERMIT OTHER
RESPIRATORS UNDER SPECIFIED CONDITIONS.
Ventilation:USE MECHANICAL (GENERAL) VENTILATION & LOCAL EXHAUST TO
KEEP EXPOSURE 1
Spec Gravity:<1
Evaporation Rate & Reference:SLOWER THAN ETHER
Appearance and Odor:COMP GAS
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:MFR GAVE NO INFORMATION OF MSDS.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE &
VARIOUS HYDROCARBONS, ETC.
Conditions to Avoid Polymerization:CANNOT OCCUR

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

Waste Disposal Methods:SMALL SPILL:ALLOW MATERIAL TO EVAPORATE. LARGE
SPILL:VENTILATE AREA OF SPILL. ALLOW MATERIAL TO EVAPORATE.

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