

VALVOLINE, INC. -- IG-LO DE-ICER -- 6850-00-835-0484

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Product Identification  
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Product ID:IG-LO DE-ICER  
MSDS Date:11/20/1990  
FSC:6850  
NIIN:00-835-0484  
MSDS Number: BWCFB  
=== Responsible Party ===  
Company Name:VALVOLINE, INC.  
Box:14000  
City:LEXINGTON  
State:KY  
ZIP:40512  
Info Phone Num:(800) 274-5263  
Emergency Phone Num:(800) 274-5263  
CAGE:FO819

==== Contractor Identification ====

Company Name  
e: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  
Company Name:VALVOLINE, INC.  
Box:14000  
City:LEXINGTON  
State:KY  
ZIP:40512  
Phone:(800) 274-5263  
CAGE:FO819

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Composition/Information on Ingredients  
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Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)  
CAS:67-56-1  
RTECS #:PC1400000  
Fraction by Wt: 55-70%  
Other REC Limits:200 PPM  
OSHA PEL:S,200PPM/250STEL  
ACGIH TLV:S,200PPM/250STEL;

93

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ETHYLENE GLYCOL (SARA III)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: 5-10%

Other REC Limits:10 MG/CUM

OSHA PEL:C 50 PPM

ACGIH TLV:C 50 PPM,VAPOR; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 1-10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;94

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

Routes of Entry:

Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:SKIN: IRRITATION, DEFATTING,

DERMATITIS & ABSORPTION. EYE: IRRITATION. INHALATION:

NASAL/RESPIRATORY IRRITATION & CNS EFFECTS. INGESTION:

GASTROINTESTINAL IRRITATION.

Explanation of Carcinogenicity:NOT CARCINOGENIC.

Effects of Overexposure:EYE: REDNESS, TEARING, BLURRED VISION.

INHALATION: DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE,

UNCONSCIOUSNESS

, DEATH & BREATHING DIFFICULTY. INGESTION: VOMITING,

DIARRHEA, BLINDNESS, & DEATH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN:

WASH THOROUGHLY W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR.

GIVE CPR OR OXYGEN IF NEEDED. KEEP WARM & QUIET. INGESTION: DRINK 2

GLASSES O F WATER. INDUCE VOMITING BY EITHER GIVING IPECAC SY

RUP OR

BY PLACING FINGER AT BACK OF THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Flash Point Method:TCC

Flash Point:69.0F,20.6C

Lower Limits:3.2%

Extinguishing Media:ALCOHOL FOAM OR WATER FOG.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS W/A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE.

Unusual Fire/Explosion Hazard:NEVER

USE WELDING OR CUTTING TORCH ON OR

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

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

Spill Release Procedures:ABSORB ON PAPER/VERMICULITE/FLOOR ABSORBENT MATERIAL & TRANSFER TO HOOD. ELIMINATE IGNITION SOURCES. EVACUATE AREA. STOP AT SOURCE. DIKE AREA TO AVOID SPREADING INTO STREAM/SEWER/BODY OF WATER. PUMP T O SALVAGE TANK OR SHOVEL INTO CONTAINER.

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

Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, &/OR SOLID).

Other Precautions:NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY). AVOID CONTACT W/STRONG OXIDIZING AGENTS.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

Ventilation:NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

Protective Gloves:NOT REQUIRED.

Eye Protection:NOT REQUIRED.

Other Protective Equipment:NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. DISCARD SHOES.

Supplemental Safety and Health  
NONE

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

HCC:V3

Boiling Pt:B.P. Text:147F,64C

Vapor Pres:97.68 MM

Vapor Density:>AIR

Spec Gravity:0

.83-0.84

Evaporation Rate & Reference: SLOWER THAN ETHER

Appearance and Odor: CLEAR, LIQUID, HOMOGENOUS SOLUTION.

Percent Volatiles by Volume: 85-100

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: IGNITION SOURCES, FLARES, FLAMES, PILOT LIGHTS, & ELECTRICAL SPARKS.

Hazardous Decomposition Products: MAY FORM TOXIC MATERIAL SUCH AS CO<sub>2</sub> & CO.

===== Disposal

Considerations =====

Waste Disposal Methods: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. GIVE VAPORS TIME TO COMPLETELY CLEAR HOOD DUCT WORK. DESTROY BY LIQUID INCINERATION. DEPOSIT CONTAMINATED ABSORBENT IN LANDFILL ACCORDING W/LOCAL/ STATE/FEDERAL REGULATIONS. FLAMMABLE COMPRESSED GAS.

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