

VALVOLINE OIL DIV OF ASHLAND OIL -- IG-LO R-12 FREON  
MATERIAL SAFETY DATA SHEET  
NSN: 685000F041401  
Manufacturer's CAGE: 72527  
Part No. Indicator: A  
Part Number/Trade Name: IG-LO R-12 FREON

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General Information

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Company's Name: VALVOLINE OIL CO DIV OF ASHLAND OIL  
Company's Street: 3499 DABNEY DR  
Company's P. O. Box: 14000  
Company's City: LEXINGTON  
Company's State: KY  
Company's Country: US  
Company's Zip Code: 40512-5000  
Company's Emerg Ph #: 606-264-7000/800-274-5263  
Company's Info Ph #: 606-264-7000/800-274-5263  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SE  
Date MSDS Prepared: 04SEP92  
Safety Data Review Date: 04AUG95  
Preparer's Company: VALVOLINE OIL CO DIV OF ASHLAND OIL  
Preparer's St Or P. O. Box: 3499 DABNEY DR  
Preparer's City: LEXINGTON  
Preparer's State: KY  
Preparer's Zip Code: 40512-5000  
MSDS Serial Number: BXNRK

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Ingredients/Identity Information

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Proprietary: NO  
Ingredient: DICHLORODIFLUOROMETHANE, FREON 12  
Ingredient Sequence Number: 01  
Percent: >95  
NIOSH (RTECS) Number: PA8200000  
CAS Number: 75-71-8  
OSHA PEL: 4950 MG/CUM  
ACGIH TLV: 4950 MG/CUM  
Other Recommended Limit: 1000 PPM

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR & COLORLESS HOMOGENEOUS SOLUTION GAS  
Boiling Point: -21.6F  
Vapor Pressure (MM Hg/70 F): 47  
Vapor Density (Air=1): 4.3  
Specific Gravity: 1.315  
Evaporation Rate And Ref: FASTER THAN ETHER  
Percent Volatiles By Volume: 100

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Fire and Explosion Hazard Data

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Special Fire Fighting Proc: WEAR SCBA W/A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE. WATER MAY BE USED TO KEEP-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT.

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Reactivity Data

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Stability: YES  
Materials To Avoid: ALKALI METALS, POWDERED METALS, ALKALINE METALS.  
Hazardous Decomp Products: HYDROGEN CHLORIDE, PHOSGENE, HYDROGEN FLUORIDE,

CARBON FLUORIDE.

Hazardous Poly Occur: NO

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Health Hazard Data  
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Route Of Entry - Inhalation: YES

Route Of Entry - Skin: NO

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: EYES: SEVERE IRRITATION. SKIN: CONTACT W/  
LIQUID CAN RESULT IN FREEZING OF TISSUE. INHALATION: VAPORS CAN CAUSE NASAL  
& RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS & DEATH.  
INGESTION: CAN CAUSE GI IRRITATION.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NONE

Signs/Symptoms Of Overexp: IRRITATION, REDNESS, TEARING, BLURRED VISION,  
DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS, VOMITING,  
DIARRHEA.

FLUSH W/LARGE AMOUNTS OF WATER. INGESTION: DON'T INDUCE VOMITING. KEEP WARM  
& QUIET. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN, IF NEEDED. KEEP  
WARM & QUIET. DON'T GIVE STIMULANTS. EPINEPHRINE/EPHEDRINE MAY ADVERSELY  
AFFECT THE HEART W/FATAL RESULTS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: SMALL: VENTILATE AREA. ALLOW TO EVAPORATE.  
LARGE: ALLOW TO EVAPORATE. EVACUATE AREA UNTIL LEAK HAS BEEN REPAIRED.

Waste Disposal Method: SMALL: ALLOW MATERIAL TO EVAPORATE. LARGE: RETURN  
TO SUPPLIER FOR RECLAMATION. DISPOSE OF IAW/FEDERAL, STATE & LOCAL  
REGULATIONS.

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

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Control Measures  
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Respiratory Protection: IF EXPOSURE LIMITS ARE EXCEEDED, A NIOSH/MSHA  
APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED. OSHA ALSO PERMITS OTHER NIOSH/  
MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS.  
Ventilation: SUFFICIENT MECHANICAL (GENERAL &/LOCAL EXHAUST) TO MAINTAIN  
EXPOSURE < TLVS.

Protective Gloves: POLYVINYL ALCOHOL

Eye Protection: CHEMICAL SPLASH GOGGLES/SAFETY GLASSES

Other Protective Equipment: NORMAL WORK CLOTHING COVERING ARMS & LEGS.

Work Hygienic Practices: ALL HAZARD PRECAUTIONS GIVEN MUST BE OBSERVED.

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Transportation Data  
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Disposal Data  
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Label Data  
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Label Required: YES

Label Status: G

Common Name: IG-LO R-12 FREON

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VOMITING, DIARRHEA.

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