

IMPERIAL OIL CO.,INC. -- IMPERIAL-V-30WT, MIL-PRF-2104G, OE 30, QUAL.

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MSDS Safety Information
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FSC: 9150
NIIN: 00-188-9858
MSDS Date: 09/23/1999
MSDS Num: CKRQN
Product ID: IMPERIAL-V-30WT, MIL-PRF-2104G, OE 30, QUAL. #MC 3797
MFN: 02
Responsible Party
Cage: 58563
Name: IMPERIAL OIL CO.,INC.
Address: ORCHARD PLA
CE
Box: 279
City: MORGANVILLE NJ 07751
Info Phone Number: 732-591-9400/FAX -8825
Emergency Phone Number: 732-591-9400

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Item Description Information
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Item Manager: S9G
Item Name: LUBRICATING OIL,ENGINE
Specification Number: MIL-L-2104F
Type/Grade/Class: GRADE 30
Unit of Issue: CN
Quantitative Expression: 00000000005GL
UI Container Qty: 1
Type of Container: CAN

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NOT PROVIDED
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: ACUTE AND CHRONIC - WHILE THIS PRODUCT MAY IRRITATE THE
SKIN FROM PROLONGED SKIN CONTACT THERE IS NO MEDICAL

OR TOXICOLOGICAL

EVIDENCE THAT IT IS AN IRRITANT, A CORROSIVE OR A CARCINOGEN. IT HAS A LOW ORDER OR ORAL AND DERMAL TOXICITY. INHALATION OF PRODUCT MIST MAY CAUSE PULMONARY PROBLEMS WHICH, AS WITH ANY OTHER ILLNESS, IF LEFT UNATTENDED, COULD CAUSE PULMONARY INJURY.

Explanation Of Carcinogenicity: BASED UPON AVAILABLE DATA AND TECHNOLOGY, THE LUBRICANT DESCRIBED HEREIN IS NOT CONSIDERED TO BE TOXIC OR CARCINOGENIC TO HUMANS.

Signs And Symptions Of Overexposure: FROM HUMAN EXP. & THE AVAILABLE

TECHNICAL DATA CONCERNING THIS PRODUCT AND DUE TO ITS LOW ORDER OF DERMAL, ORAL & INGESTIVE TOXICITY, THE SIGNS & SYMPTOMS OF OVER EXPOSURE ARE UNKNOWN.

Medical Cond Aggravated By Exposure: DIRECT CONTACT WITH THE EYES MAY CAUSE EYE IRRITATION. PROLONGED SKIN CONTACT MAY CAUSE SKIN IRRITATION.

First Aid: IF SWALLOWED, DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF SPLASHED INTO THE EYES, PURGE WITH COPIOUS AMOUNTS OF WATER. IN CASE OF SKIN CONTACT

CLEANSE WITH WATERLESS SOAP FOLLOWED BY THO ROUGH WASHING WITH SOAP & WATER.

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Handling and Disposal
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Spill Release Procedures: DIKE & CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH, FULLERS EARTH, ETC). TRANSFER LIQUID TO DRUMS OR OTHER CONTAINERS FOR RECOVERY OR DISPOSAL. AREA MAY BE SLIPPERY- CARE SHOULD BE TAKEN TO AVOID FALLS. PREVENT MATERIAL FROM GETTING INTO SEWER

S & OPEN BODIES OF WATER.

Neutralizing Agent: NOT RELEVANT

Waste Disposal Methods: DISPOSE OF CONTAMINATED DIKING MATERIAL ACCORDING TO CURRENT LOCAL, STATE & FEDERAL REGULATIONS.

Handling And Storage Precautions: THESE LUBRICANTS BECOME VERY VISCOUS WHEN STORED AT LOW TEMPERATURE. THEY CONGEAL AT TEMPERARURES FROM -12 TO -32C.

Other Precautions: USE PRODUCT WITH CAUTION AROUND OPEN FLAME, HEAT, SPARKS, PILOT LIGHTS AND STATIC ELECTRICITY.

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Fire and Explosion Hazard Information
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Flash Point: =226.7C, 440.F

Lower Limits: NOT AVAILABL

Upper Limits: NOT AVAILABL

Extinguishing Media: CARBON DIOXIDE, WATER FOG, FOAM OR DRY CHEMICAL.

Fire Fighting Procedures: WEAR MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS (SCHEDULE 13). USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard: NONE
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Control Measures

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Respiratory Protection: USE SUPPLIED AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES IF NEEDED.

Protective Gloves: IMPERVIOUS.

Eye Protection: SPLASH GOGGLES.

Other Protective Equipment: EYE WASH FACILITY.

Work Hygienic Practices: MINIMIZE BREATHING VAPOR, MIST OR FUMES. REMOVE CONTAMINATED CLOTHING AND LAUNDER OR DRY CLEAN BEFORE RE-USE. OIL SOAKED SHOES SHOULD BE DISCARDED.

Supplemental Safety and Health:

P/N: IMPERIAL V 30 WT. THE COMPOSITION OF THE ADDITIVE IS PROPRIETARY TO THE ETHYL PETROLEUM ADDITIVES CO. ANY FURTHER INFORMATION YOU MAY REQUIRE WILL HAVE TO BE OBTAINED FROM THEM.

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Physical/Chemical Properties

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HCC: V6

NRC/State LIC No: NOT RELEVANT

Boiling Point: =315.6C, 600.F

Melt/Freeze Pt: =-17.6C, 0.F

Decomp Text: NOT PROVIDED

Vapor Pres: 1MM

Vapor Density: 1

Spec Gravity: 1

PH: NOT RELEVANT

Viscosity: NOT PROVIDED

Evaporation Rate & Reference: 1 (BUTYL ACETATE=1)

Solubility in Water: 0

Appearance and Odor: DARK AMBER-NO ODOR

Corrosion Rate: NOT PROVIDED

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Reactivity Data

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Stability Indicator: YES

Materials To Avoid: CONTACT WITH STRONG OXIDIZERS.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, DENSE BLACK FUMES, SULFUR AND NITROGEN

ITROGEN COMPOUNDS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE

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Toxicological Information
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Toxicological Information: NOT PROVIDED
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Ecological Information
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Ecological: NOT PROVIDED
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MSDS

Transport Information
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Transport Information: NOT PROVIDED
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Regulatory Information
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Sara Title III Information: NOT PROVIDED

Federal Regulatory Information: NOT PROVIDED

State Regulatory Information: NOT PROVIDED
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Other Information
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Other Information: EMPTY CONTAINER WARNING: "EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAM E, SPARKS OR OTHER IGNITION SOURCES: THEY MAY EXPLODE AND CAUSE INJURY. DO NOT ATTEMPT TO CLEAN, SINCE THE RESIDUE IS DIFFICULT TO REMOVE. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED A ND PROMPTLY RETURNED TO A DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
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Transportation Information
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Responsible Party Cage: 58563

Trans ID NO: 154243

Product ID: IMPERIAL-V-30WT, MIL-PRF-2104G, OE 30, QUAL. #MC 3797

MSDS Prepared Date: 09/23/1999

Review Date: 07/29/2000

MFN: 2

Net Unit Weight: 41.6 LBS

Multiple KIT Number: 0

Unit Of Issue: CN
Container QTY: 1
Type Of Container: CAN

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: IMPERIAL-V-30WT, MIL-PRF-2104G, OE 30, QUAL. #MC 3797
Cage: 58563
Company Name: IMPERIAL OIL CO INC
Street: FOOT OF ORCHARD PL
PO Box: 279
City: MORGANVILLE NJ
Zipcode: 07751
Health Emergency Phone: 732-591-9400
Label Required IND: Y
Date Of Label Review: 07/29/2000
Status Code: A
MFG Label NO: NOT PROVIDED
Label Date: 09/23/1999
Year Procured: 2000
Origination
Chronic Hazard IND: Y
Eye Protectio

n IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: SKIN, RESPIRATORY TRACT. ACUTE EFFECTS: MILDLY IRRITATING TO SKIN. INHALATION OF VAPORS (GENERATED AT HIGH TEMPERATURES ONLY) OR OIL MIST FROM THIS PRODUCT MAY CAUSE MILD IRRITATION TO THE RESPIRATORY TRACT. MINIMALLY IRRITATION TO THE EYES. CHRONIC EFFECTS: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS, OIL ACNE OR FOLLICULITIS. NO PROTECTIVE EQUIPMENT NECESSARY FOR CLEAN UP.

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