

FUCHS LUBRICANTS CO                      -- RENOLIN VP 35-55GL DR

=====

MSDS Safety Information

=====

FSC: 9150  
NIIN: 00-823-8024  
MSDS Date: 04/26/2001  
MSDS Num: CLCXM  
Product ID: RENOLIN VP 35-55GL DR  
MFN: 01  
Responsible Party  
Cage: 10873  
Name: FUCHS LUBRICANTS CO  
Address: 17050 LATHROP AVE  
Box: 8327  
City: HARVEY IL 60  
426  
Info Phone Number: 708-333-8900  
Emergency Phone Number: 800-255-3924 (24 HOURS)

=====

Item Description Information

=====

Item Manager: S9G  
Item Name: LUBRICATING OIL,VACUUM PUMP  
Specification Number: MIL-L-83767B  
Type/Grade/Class: TYPE 1  
Unit of Issue: QT  
UI Container Qty: G  
Type of Container: BOTTLE/CAN

=====

Ingredients

=====

=====

Name: \*\*\* PROPRIETARY \*\*\*

-----

=====

Health Hazards Data

=====

Route Of Entry Inds - Inhalation: NO  
Skin: NO  
Ingestion: NO  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: EYES: NOT EXPECTED TO CAUSE IRRITATION. SKIN: NOT  
EXPECTED TO CAUSE IRRITATION. PROLONGED OR REPEATED DIRECT EXPOSURE MAY  
RESULT IN DERMATI

TIS. INHALATION: NOT EXPECTED TO CAUSE RESPIRATORY TRACT IRRITATION. EXPOSURE TO HIGH MIST LEVELS IN POORLY VENTILATED AREAS MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION & DIFFICULTY BREATHING. INGESTION: MAY CAUSE SLIGHT STOMACH IRRITATION & DISCOMFORT.

Explanation Of Carcinogenicity: THIS PRODUCT IS NOT LISTED AS A KNOWN OR SUSPECTED CARCINOGEN BY IARC, OSHA, OR THE NTP.

Signs And Symptoms Of Overexposure: EYES: SLIGHT IRRITATION. SKIN: PROLONGED OR REPEATED DIRECT EXPOS

URE TO MAY RESULT IN IRRITATION & REDNESS. IN SEVERE CASES, DERMATITIS MAY RESULT IN ITCHING, DRYNESS, CRACKING AND/OR INFLAMMATION.

Medical Cond Aggravated By Exposure: NO FURTHER DATA KNOWN.

First Aid: EYES: HOLD EYELIDS OPEN & FLUSH WITH A STEADY, GENTLY STREAM OF WATER FOR AT LEAST 15 MIN. REMOVE FROM MISTY CONDITIONS. SKIN: REMOVE PRODUCT FROM THE SKIN BY WASHING WITH A MILD SOAP & WATER. REMOVE CONTAMINATED CLOTHING. INHALATION: REMOVE TO FRESH AIR. INGESTION: IF LARGER AMOUNTS ARE INGESTED OR IF SYMPTOMS OF INGESTION OCCUR, DILUTE STOMACH CONTENTS WITH TWO GLASSES OF WATER OR MILK. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION AS NEEDED FOR ALL ROUTES OF EXPOSURE.

=====  
Handling and Disposal

=====  
Spill Release Procedures: IF POSSIBLE, SAFELY CONTAIN SPILL WITH DIKES OR OTHER MEASURES. PRODUCT IS COMBUSTIBLE. ELIMINATE IGNITION SOURCES. LARGE VOLUMES MAY BE TRANSFERRED TO AN APPROPRIATE CONTAINER FOR PROPER DISPOSAL. SM ALL VOLUMES OR RESIDUES MAY BE SOAKED UP WITH ABSORBENTS FOR PROPER DISPOSAL.

Waste Disposal Methods: ENSURE THAT COLLECTION, TRANSPORT, TREATMENT & DISPOSAL OF WASTE PRODUCT, CONTAINERS & RINSATE COMPLIES WITH ALL APPLICABLE LAWS & REGULATIONS. IT IS THE RESPONSIBILITY OF THE PRODUCT USER OR OWNER TO DETERMINE AT THE TIME OF DISPOSAL WHETHER THE PRODUCT IS REGULATED AS A HAZARDOUS WASTE.

Handling And Storage Precautions: HANDLE THE PRODUCT IN A MANNER THAT MINIMIZES EXPOSURE TO PRACTICAL LEVELS. OPEN CONTAINERS SLOWLY TO RELIEVE ANY PRESSURE. FOLLOW ALL OTHER STANDARD INDUSTRIAL HYGIENE PRACTICES. PROTECT PRODUCT QUALITY BY STORING INDOORS & AWAY FROM EXTREME TEMPERATURES. CLOSE ALL CONTAINERS WHEN NOT IN USE.

Other Precautions: EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. ALL SAFETY PRECAUTIONS TAKEN WHEN HANDLING THIS

PRODUCT SHOULD ALSO BE TAKEN WHEN  
HANDLING EMPTY DRUMS & CONTAINERS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.  
E. PRODUCT RESIDUE IN EMPTY CONTAINERS IS COMBUSTIBLE BUT WILL NOT READILY  
BURN.

=====

#### Fire and Explosion Hazard Information

=====

Flash Point Method: COC

Flash Point: =221.1C, 430.F

Extinguishing Media: DRY CHEMICAL, FOAM, OR CO2 FIRE EXTINGUISHERS ARE ALL  
ACCEPTABLE. NOTE THAT

WHILE WATER FOG EXTINGUISHERS ARE ALSO ACCEPTABLE, DO  
NOT APPLY A DIRECT STREAM OF WATER.

Fire Fighting Procedures: EMERGENCY RESPONDERS IN THE DANGER AREA SHOULD WEAR  
BUNKER GEAR AND SELF-CONTAINED BREATHING APPARATUS FOR FIRES BEYOND THE  
INCIPIENT STAGE.

Unusual Fire/Explosion Hazard: NONE KNOWN.

=====

#### Control Measures

=====

Respiratory Protection: A RESPIRATOR MAY BE WORN TO REDUCE EXPOSURE TO VAPORS,

DUST, OR MIST. SELECT A NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR THE  
TYPE & PHYSICAL CHARACTER OF THE AIRBORNE MATERIAL. A SCBA IS RECOMMENDED  
IN ALL SITUATIONS WHERE AIRBORNE CONTAMINANT CONCENTRATION IS UNKNOWN  
& MAY BE ABOVE SAFE LEVELS.

Ventilation: NORMAL GENERAL VENTILATION IS EXPECTED TO BE ADEQUATE.

Protective Gloves: GLOVES ARE NOT NORMALLY NEEDED DURING NORMAL CONDITIONS OF  
USE.

Eye Protection: WEAR EYE PROTECTION APPROPRIATE TO PREVENT EYE EXPOSURE.

Other Protective Equipment: WHERE SPLASHING IS NOT LIKELY, CHEMICAL SAFETY  
GLASSES WITH SIDE SHIELDS ARE RECOMMENDED. WHERE SPLASHING MAY OCCUR,  
CHEMICAL GOGGLES OR FULL FACE SHIELD IS RECOMMENDED.

Supplemental Safety and Health: IF HEALTH EFFECTS ARE EXPERIENCED, OIL OR  
CHEMICAL RESISTANT GLOVES SUCH AS BUTYL OR NITRILE ARE RECOMMENDED. WHERE  
SPLASHING OR SOAKING IS LIKELY, WEAR OIL OR CHEMICAL RESISTANT CLOTHING TO  
PREVENT EXPOSURE.

=====

#### Physical/Chemical Properties

=====

HCC: V6

Spec Gravity: .880

Solubility in Water: INSOLUBLE

Appearance and Odor: BROWN COLORED LIQUID; PETROLEUM ODOR

=====

#### Reactivity Data

=====

Stability Indicator: YES

Stability Condition To Avoid: CONTACT WITH INCOMPATIBLE MATERIALS AND EXPOSURE  
TO EXTREME TEMPERATURES.

Materials To Avoid: THIS PRODUCT

PRODUCT IS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS.  
Hazardous Decomposition Products: A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES MAY EVOLVE WHEN THE MATERIAL BURNS. COMBUSTION BYPRODUCTS MAY INCLUDE: OXIDES OF CARBON, INCOMPLETELY BURNED HYDROCARBONS, ETC.  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: THIS PRODUCT IS NOT EXPECTED TO POLYMERIZE.

=====

Toxicological Information

=====

=====

Toxicological Information: NO FURTHER TOXICOLOGICAL DATA KNOWN.

=====

Ecological Information

=====

Ecological: THIS PRODUCT HAS NOT BEEN EVALUATED FOR ECOTOXICITY. THE DEGREE OF BIODEGRADABILITY & PERSISTENCE OF THIS PRODUCT HAS NOT BEEN DETERMINED.

=====

MSDS Transport Information

=====

=====

Transport Information: NOT OTHERWISE DOT REGULATED.

=====

Regulatory Information

=====

Sara Title III Information: SECTION 313: THIS PRODUCT CONTAINS NONE OF THE SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OR 1986 AND 40 CFR PART 372.

Federal Regulatory Information: CLEAN WATER ACT/ OIL POLLUTION ACT: THIS PRODUCT CONTAINS MINERAL OIL & IS SUBJECT TO REGULATION BY SECTION 311 OF THE CLEAN WATER ACT & THE OIL POLLUTION ACT. RELEASES OF THE PRODUCT INTO OR LEADING TO SURFACE WATERS MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AT 1-800-424-8802. TOXIC SUBSTANCES CONTROL ACT: THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

State Regulatory Information: THIS PRODUCT CONTAINS MINERAL OIL, AND AS USED, MAY BE REGULATED BY STATE USED OIL REGULATIONS. CHECK WITH THE APPROPRIATE STATE AGENCY TO DETERMINE WHETHER SUCH A REGULATION EXISTS.

=====

Other Information

=====

Other Information: THIS PRODUCT CONTAINS NO OZONE DEPLETING SUBSTANCES AS DEFINED BY THE CLEAN AIR ACT.

=====

Transportation Information

=====

R

esponsible Party Cage: 10873  
Trans ID NO: 157018  
Product ID: RENOLIN VP 35-55GL DR  
MSDS Prepared Date: 04/26/2001  
Review Date: 05/18/2001  
MFN: 1  
Multiple KIT Number: 0  
Unit Of Issue: QT  
Container QTY: G  
Type Of Container: BOTTLE/CAN

=====

Detail DOT Information

=====

DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====

=====

Detail IMO Information

=====

IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

=====

Detail IATA Information

=====

IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====

Detail AFI Information

=====

=====

AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====

HAZCOM Label

=====

Product ID: RENOLIN VP 35-55GL DR  
Cage: 10873  
Company Name: FUCHS LUBRICANTS CO  
Street: 17050 LATHROP AVE  
PO Box: 8327  
City: HARVEY IL  
Zipcode: 60426  
Health Emergency Phone: 800-255-3924 (24 HOURS)  
Label Required IND: Y  
Date Of Label Rev

iew: 05/18/2001  
Status Code: A  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: CAUTION  
Respiratory Protection IND: YES  
Health Hazard: Slight  
Contact Hazard: Slight  
Fire Hazard: Slight  
Reactivity Hazard: None  
Hazard And Precautions: TARGET ORGANS: N/P. EYES: NOT EXPECTED TO CAUSE IRRITATION. SKIN: NOT EXPECTED TO CAUSE IRRITATION. PROLONGED OR REPEATED DIRECT EXPOSURE MAY RESULT IN DERMATITIS. INHALATION: NOT EXPECTED TO CAUSE RESPIRATORY TRACT IRRITATION.  
ON.

=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.