

RITCHIE ENGINEERING COMPANY INC -- RITCHIE HIGH VACUUM PUMP OIL (SEE SUPPL DATA) --
9150-01-452-6293

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Product Identification
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Product ID:RITCHIE HIGH VACUUM PUMP OIL (SEE SUPPL DATA)

MSDS Date:05/01/1998

FSC:9150

NIIN:01-452-6293

Status Code:A

MSDS Number: CKVKD

=== Responsible Party ===

Company Name:RITCHIE ENGINEERING COMPANY INC

Address:10950 HAMPSHIRE AVE S

City:MINNEAPOLIS

State:MN

ZIP:55438

Info Phone Num:612-943-1300/1333

Emergency Phone Num:612-943-1333

Preparer's Name:NOT PROVIDED

CAGE:11284

=== Contractor Identification ===

Company Name:RITCHIE ENGINEERING COMPANY INC

Address:10950 HAMPSHIRE AVE S

Box:City:MINNEAPOLIS

State:MN

ZIP:55438

Phone:612-943-1300/1333

Contract Num:SP0400-99-A-A052

CAGE:11284

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Composition/Information on Ingredients
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Ingred Name:NON-HAZARDOUS INGREDIENT(S)

= Wt:100.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVI

DED

ACGIH TLV:NOT PROVIDED

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Hazards Identification
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LD50 LC50 Mixture:NOT PROVIDED

Health Hazards Acute and Chronic:NOT PROVIDED

Explanation of Carcinogenicity:NOT PROVIDED

Effects of Overexposure:NOT PROVIDED

Medical Cond Aggravated by Exposure:NOT PROVIDED

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First Aid Measures
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First Aid:NOT PROVIDED

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Fire Fighting Measures
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Flash Point:~260.C, 500.F

Low

r Limits:.6

Upper Limits:7.0

Extinguishing Media:WATER SPRAY, FOAM, DRY CHEMICAL, OR XO2.

Fire Fighting Procedures:MUST USE SELF-CONTAINED BREATHING PROTECTION.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:CONTAIN SPILL WITH SUITABLE ABSORBENT MATERIALS. ELIMINATE ANY POSSIBILITY OF COMBUSTION. REPORT AS THE LAW REQUIRES AT THE TIME. PLACE ABSORBING MATERIAL IN A SEALED METAL CONTAINER FOR DISPOSAL.

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:STORE BELOW 120F. KEEP AWAY FROM STRONG OXIDIZING AGENTS. KEEP FROM FLAME. EXERCISE APPROPRIATE CAUTION AS WITH ALL CHEMICALS.

Other Precautions:WASH HANDS AFTER HANDLING. KEEP CONTAINERS CLOSED.

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

Respiratory Protection:NOT REQUIRED

Ventilation:NOT PROVIDED

Protective Gloves:NOT REQUIRED

Eye Protection:NOT REQUIRED

Other Protective Equipment:NOT REQUIRED.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

CONTINUED FROM PRODUCT ID: P/N: 93092.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=315.6C, 600.F

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:~.1 MICRON

Spec Gravity:.874

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

So

lubility in Water:NEGLIGIBLE
Appearance and Odor:N/PLIGHT YELLOW COLOR/MILD OIL ODORL
Percent Volatiles by Volume:NEGLIGIBLE
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS.
Stability Condition to Avoid:STRONG OXIDATION.
Hazardous Decomposition Products:CARBON MONOXIDE.

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED

===== Ecological Information =====

Ecological:NOT PROVIDED

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

Waste Disposal Methods:CHECK CURRENT LAWS AND REGULATIONS BEFORE
DISPOSING OF. CHECK TO DETERMINE WHETHER MATERIAL IS HAZARDOUS AT
TIME OF DISPOSING. THE REGULATIONS CAN CHANGE.

===== MSDS Transport Information =====

Transport Information:D.O.T. SHIPPING NAME: N/A.

===== Regulatory Infor
mation =====

SARA Title III Information:NOT PROVIDED
Federal Regulatory Information:NOT PROVIDED
State Regulatory Information:NOT PROVIDED

===== Other Information =====

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