

MONSANTO CO -- SANTOVAC 5 VACUUM PUMP FLUID

=====
MSDS Safety Information
=====

FSC: 9150
NIIN: 01-337-8179
MSDS Date: 06/12/1995
MSDS Num: CJLMG
Product ID: SANTOVAC 5 VACUUM PUMP FLUID
MFN: 03
Responsible Party
Cage: 76541
Name: MONSANTO CO
Address: 800 N LINDBERGH BLVD
Box: 5008
City: ST LOUI
S MO 63167
Info Phone Number: 314-694-6661
Emergency Phone Number: 314-694-6661
Chemtrec IND/Phone: (800)424-9300
Proprietary Ind: Y
Review Ind: Y
Published: Y

=====
Contractor Summary
=====

Cage: 4G302
Name: FINDETT CORPORATION
Address: 8 GOVERNOR DRIVE
City: ST CHARLES MO 63301
Phone: 314-723-0240
Cage: 29145
Name: KURT J LESKER CO
Address: 1515 WORTHINGTON AVE
City: CLAIRTON PA 15025
Phone: 41
2-233-4200
Cage: 76541
Name: MONSANTO COMPANY
Address: 800 N LINDBERGH BLVD
City: SAINT LOUIS MO 63167
Phone: 314-694-6661 OR 800-332-3111

=====
Item Description Information
=====

Item Manager: S9G
Item Name: LUBRICANT,VACUUM
Unit of Issue: BT
Quantitative Expression: 00000000500ML
UI Container Qty: 0

=====
Ingredients
=====

=====
Name: *** PROPRIETARY ***

=====

Health Hazards Data
=====

LD50 LC50 Mixture: LD50 (ORAL, RAT) > 10,000 MG/KG

Skin: YES

Effects of Exposure: TARGET ORGANS: N/P. NO SIGNIFICANT HAZARD ASSOCIATED WITH THIS MATERIAL. POTENTIAL HEALTH EFFECTS: OCCUPATIONAL EXPOSURE TO THIS MATERIAL HAS NOT BEEN REPORTED TO CAUSE SIGNIFICANT ADVERSE HEALTH EFFECTS.

ON THIS BASIS OF AVAILABLE INFORMATION, EXPOSURE TO SANTOVAC 5 VACUUM PUMP FLUID IS NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HUMAN HEALTH EFFECTS WHEN RECOMMENDED SAFETY PRECAUTIONS.

First Aid: IF IN EYES OR ON SKIN, IMMEDIATE FIRST AID IS NOT LIKELY TO BE REQUIRED. HOWEVER, THIS MATERIAL CAN BE REMOVED WITH WATER. WASH HEAVILY CONTAMINATED CLOTHING BEFORE REUSE. IF INHALED, IMMEDIATE FIRST AID IS NOT LIKELY TO BE REQUIRED. HOWEVER, IF SYMPTOMS OCCUR, REMOVE TO FRESH AIR.

REMOVE MATERIAL FROM EYES, SKIN AND CLOTHING. IF SWALLOWED: IMMEDIATE FIRST AID IS NOT LIKELY TO BE REQUIRED. A PHYSICIAN OR POISON CONTROL CENTER CAN BE CONTACTED FOR ADVICE.

=====
Handling and Disposal
=====

Spill Release Procedures: CONTAIN LARGE SPILLS WITH DIKES AND TRANSFER THE MATERIAL TO APPROPRIATE CONTAINERS FOR RECLAMATION OR DISPOSAL. ABSORB REMAINING MATERIAL OR SMALL

SPILLS WITH AN INERT MATERIAL AND THEN PLACE IN A CHEMICAL WASTE CONTAINERS. FLUSH RESIDUAL SPILL AREA WITH WATER.

Waste Disposal Methods: PRODUCT MAY BE CLASSIFIED AS "HAZARDOUS WASTE" (D018) DUE TO BENZENE OVER 0.5 MG/L WASTE PRODUCT MAY ALSO BE CLASSIFIED AS WASTE OIL UNDER STATE AND FEDERAL REGULATIONS. ANY DISCARD PRODUCT, WHETHER "HAZARDOUS WASTE" OR NOT, SHOULD BE INCINERATED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. CONSULT YOUR ATTORNEY.

Handling And

Storage Precautions: PRODUCT IS STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

Other Precautions: HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND REMOVAL OF MATERIAL FROM EYES, SKIN AND CLOTHING.

=====
Fire and Explosion Hazard Information
=====

Flash Point Method: TOC

Flash Point: =287.8C, 550.F

Aut

Ignition Temp: =612.8C, 1135.F

Extinguishing Media: IN CASE OF FIRE, USE WATER SPRAY (FOG), FOAM, DRY CHEMICAL, OR CO2.

Fire Fighting Procedures: FIRE FIGHTERS AND OTHERS EXPOSED TO PRODUCTS OF COMBUSTION SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. FIRE FIGHTING EQUIPMENT SHOULD BE THOROUGHLY DECONTAMINATED AFTER USE.

Unusual Fire/Explosion Hazard: NONE KNOWN.

=====
Control Measures
=====

=====
Respiratory Protection: AVOID BREATHING MIST. USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT WHEN AIRBORNE EXPOSURE IS EXCESSIVE. CONSULT

RESPIRATOR MANUFACTURER TO DETERMINE APPROPRIATE TYPE EQUIPMENT FOR GIVEN APPLICATION. OBSERVE RESPIRATOR USE LIMITATIONS SPECIFIED BY NIOSH/MSHA OR THE MANUFACTURER. RESPIRATORY PROTECTION PROGRAMS MUST COMPLY WITH 29 CFR 1910.134

Ventilation: PROVIDE NATURAL OR MECHANICAL VENTILATION TO MINIMIZE EXPOSURE. IF PRACTICAL, USE LOCAL MECHANICAL EXHAUST VENTILATION AT SOURCES.

Protective Gloves: WEARING PROTECTIVE GLOVES IS RECOMMENDED.

Eye Protection: USE GOOD INDUSTRIAL PRACTICE TO AVOID EYE CONTACT.

Other Protective Equipment: ALTHOUGH IT DOES NOT PRESENT A SIGNIFICANT SKIN CONCERN, MINIMIZE SKIN CONTAMINATION BY FOLLOWING GOOD INDUSTRIAL PRACTICES.

Work Hygienic Practices: WASH HANDS AND CONTAMINATED SKIN THOROUGHLY AFTER HANDLING.

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

HCC: V6

Boiling Point: =476.C, 888.8F

Melt/Freeze Pt: =4.4C, 40.F

Vapor Density: 15.5

Spec Gravity: 1.195-1.201

PH: NEUTRAL

Solubility in Water: INSOLUBLE IN WATER

Appearance and Odor: LIGHT YELLOW ESSENTIALLY CLEAR LIQUID ODORLESS TO SLIGHT PHENOLIC

=====
Reactivity Data
=====

Stability Indicator: YES

Stability Condition To Avoid: PRODUCT IS

STABLE UNDER NORMAL STORAGE AND HANDLING CONDITIONS.

Materials To Avoid: EXPOSURE TO HIGHLY OXIDIZING AGENTS SHOULD BE AVOIDED.

Hazardous Decomposition Products: ABOVE 425C MAY FORM BENZENE AND PHENOL. IF BURNED COMPLETELY, FORMS CARBON DIOXIDE AND WATER. INCOMPLETE COMBUSTION PRODUCES CARBON MONOXIDE, SMOKE, SOOT, AND LOW MOLECULAR WEIGHT HYDROCARBONS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: DOES NOT OCCUR.

=====
=====

Toxicological Information

=====

Toxicological Information: ORAL: PRACTICALLY NONTOXIC. DERMAL: PRACTICALLY NONTOXIC (RABBIT LD50 > 5,000 MG/KG). EYE IRRITATION: PRACTICALLY NONIRRITATING (RABBIT, 0.1/110.0). SKIN IRRITATION: PRACTICALLY NONIRRITATING (RABBIT, 24-HR EXPOSURE, 0.4/8.0)

=====

Ecological Information

=====

=====

=====

Regulatory Information

=====

Federal Regulatory Information: TSCA INVENTORY: ALL COMPONENTS ARE LISTED.

=====

Other Information

=====

=====

Transportation Information

=====

Responsible Party Code: 7
6541

Trans ID NO: 147928
Product ID: SANTOVAC 5 VACUUM PUMP FLUID
MSDS Prepared Date: 06/12/1995

Review Date: 09/03/1999

MFN: 3

Net Unit Weight: 1.3 LBS

Multiple KIT Number: 0

Unit Of Issue: BT

Container QTY: 0

=====

Detail DOT Information

=====

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

=====

Detail I

MO 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: SANTOVAC 5 VACUUM PUMP FLUID

Cage: 76541

Company Name: MONSANTO COMPANY

Street: 800 N LINDBERGH BLVD

City: SAINT LOUIS MO

Zipcode: 63167

Health Emergency Phone: 314-694-6661

Label Required IND: Y

Date Of Label Review: 09/03/1999

Status Code: A

Ori

gination Code: F

Eye Protection IND: NO

Skin Protection IND: NO

Signal Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: N/P. NO SIGNIFICANT HAZARD ASSOCIATED

WITH THIS MATERIAL. POTENTIAL HEALTH EFFECTS: OCCUPATIONAL EXPOSURE TO THIS MATERIAL HAS NOT BEEN REPORTED TO CAUSE SIGNIFICANT ADVERSE HEALTH EFFECTS. ON THIS BASIS OF AVAILABLE INFORMATION, EXPOSURE TO SANTOVAC

5 VACUUM PUMP

FLUID IS NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HUMAN HEALTH EFFECTS WHEN RECOMMENDED SAFETY PRECAUTIONS.

=====

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 via
bility 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 simi
larity to a corresponding Department of Defense or other government situation.