

DOW CORNING CORP -- DOW CORNING 997 VARNISH -- 5970-00-548-7211  
===== Product Identification =====

Product ID:DOW CORNING 997 VARNISH

MSDS Date:06/28/2001

FSC:5970

NIIN:00-548-7211

Status Code:A

MSDS Number: CLLZR

=== Responsible Party ===

Company Name:DOW CORNING CORP

Address:3901 S SAGINAW RD

Box:997

City:MIDLAND

State:MI

ZIP:48686-0997

Country:US

Info Phone Num:517-496-6000/517-496-6315

Emerge

ncy Phone Num:(800) 424-9300

Resp. Party Other MSDS Num.:01253930

Chemtec Ind/Phone:(800)424-9300

CAGE:5D028

=== Contractor Identification ===

Company Name:DOW CORNING CORP

Address:3901 S SAGINAW RD

Box:997

City:MIDLAND

State:MI

ZIP:48686-0997

Country:US

Phone:517-496-6000/517-496-6315

CAGE:5D028

Company Name:MCKEOWN ROBERT CO. INC.

Address:111 CHAMBERS BROOK RD.

Box:City:SOMERVILLE

State:NJ

ZIP:08876

Country:US

Phone:908-218-9000

Contract Num:SP0430-01-M-NM28

CAGE:7B953

===== Composi

tion/Information on Ingredients =====

Ingred Name:XYLENE

CAS:1330-20-7

RTECS #:ZE2100000

Minumum % Wt:30.

Maxumum % Wt:60.

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:651 MG/M3;150 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ETHYLBENZENE

CAS:100-41-4

RTECS #:DA0700000

Minumum % Wt:10.

Maxumum % Wt:30.

OSHA PEL:435 MG/M3;100 PPM

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:543 MG/M3;125 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:LINSEED OIL

CAS:8001-26-1

RTECS #:OI96

90000

Minumum % Wt:5.

Maxumum % Wt:10.

Ingred Name:HEAVY AROMATIC SOLVENT NAPHTHA (PETROLEUM)

CAS:64742-94-5

RTECS #:WF3100000

Minumum % Wt:3.

Maxumum % Wt:7.

Ingred Name:STODDARD SOLVENT

CAS:8052-41-3

RTECS #:WJ8925000

&lt; Wt:1.

OSHA PEL:2900 MG/M3;500 PPM

ACGIH TLV:525 MG/M3;100 PPM

Ingred Name:NAPHTHALENE

CAS:91-20-3

RTECS #:OJ0525000

&lt; Wt:.5

OSHA PEL:50 MG/M3;10 PPM

ACGIH TLV:52 MG/M3;10 PPM

ACGIH STEL:79 MG/M3;15 PPM

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:TOLUENE

CAS:10

8-88-3  
RTECS #:XS5250000  
&lt; Wt:1.  
OSHA PEL:SEE TABLE Z-2  
ACGIH TLV:188 MG/M3;50 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:COBALT BIS(ETHYLHEXANOATE)  
CAS:136-52-7  
&lt; Wt:1.

===== Hazards Identification =====

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES  
Health Hazards Acute and Chronic:ACUTE-EYE: DIRECT CONTACT MAY CAUSE SEVERE IRRITATION. VAPOR MAY CAUSE EYE IRRITATION. SKIN: MAY CAUSE MODERATE IRRITATION. INHALATION: VAPOR MAY IRRITATE NOSE AND THROAT. OVEREXPOSURE BY INHALATION MAY CAUSE DROWSINESS, DIZZINESS, CONFUSION OR LOSS OF COORDINATION. ORAL: ASPIRATION OF LIQUID WHILE VOMITING MAY INJURE LUNGS SERIOUSLY.

Explanation of Carcinogenicity:ETHYLBENZENE & COBALT BIS(ETHYLHEXANOATE): PER MSDS THESE ARE LISTED AS IARC 2B CARCINOGENS- POSSIBLE CARCINOGENIC TO HUMANS.

Effects of Overexposure:PROLONGED/REPEATED-SKIN: OVEREXPOSURE MAY INJURE INTERNALLY IF ABSORBED. REPEATED SKIN CONTACT MAY CAUS

E ALLERGIC SKIN REACTION. REPEATED OR PROLONGED CONTACT MAY CAUSE DEFATTING AND DRYING OF SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS. REPEATED OR PROLONGED EXPOSURE MAY IRRITATE SERIOUSLY. INHALATION: OVEREXPOSURE BY INHALATION MAY INJURE THE FOLLOWING ORGANS: BLOOD, LIVER, KIDNEY S, LUNGS, NERVOUS SYSTEM, AND BONE MARROW. ORAL: REPEATED INGESTION OR SWALLOWING LARGE AMOUNTS MAY INJURE INTERNALLY.

Medical Cond Aggravated by Exposure:NO KNOWN APPLICABLE INFORMATION.

===== First Aid Measures =====

First Aid:EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE FROM SKIN AND IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION OR ILL EFFECTS DEVELOP OR PERSIST. INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF ILL EFFECTS PERSIST. ORAL: GET IMMEDIATE MEDICAL ATTENTION. ONLY INDUCE VOMITING AT THE INSTRUCTIONS OF A PHY

SICIAN.

NEVER GIV E ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. COMMENTS:  
TREAT ACCORDING TO PERSON'S CONDITION AND SPECIFICS OF EXPOSURE.

===== Fire Fighting Measures =====

Flash Point Method:PMCC

Flash Point:=25.C, 77.F

Extinguishing Media:ON LARGE FIRES USE DRY CHEMICAL, FOAM OR WATER  
SPRAY. ON SMALL FIRES USE CARBON DIOXIDE (CO2), DRY CHEMICAL OR  
WATER SPRAY. WATER CAN BE USED TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:SELF-C

ONTAINED BREATHING APPARATUS AND

PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING LARGE FIRES  
INVOLVING CHEMICALS. DETERMINE THE NEED TO EVACUATE OR ISOLATE THE  
AREA ACCORDING TO YOUR LOCAL EMERGE NCY PLAN. USE WATER SPRAY TO  
KEEP FIRE EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY  
TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. STATIC ELECTRICITY  
WILL ACCUMULATE AND MAY IGNITE VAPORS. PREVENT A POSSIBLE FIRE  
HAZARD BY BONDING

AND GROUNDING OR INERT GAS PURGE.

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

Spill Release Procedures:REMOVE POSSIBLE IGNITION SOURCES. DETERMINE  
WHETHER TO EVACUATE OR ISOLATE THE AREA ACCORDING TO YOUR LOCAL  
EMERGENCY PLAN. OBSERVE ALL PERSONAL PROTECTION EQUIPMENT  
RECOMMENDATIONS. FOR LARGE SPILLS, PROVIDE DIKING OR OTHER  
APPROPRIATE CONTAINMENT TO KEEP MATERIAL FROM SPREADING. IF DIKED  
MATERIAL CAN BE PUMPED, STORE RECOVERED MATERIAL IN APPROPRI  
ATE

CONTAINER. (SEE OTHER INFORMATION)

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

Handling and Storage Precautions:USE WITH ADEQUATE VENTILATION. TRACES  
OF BENZENE (CARCINOGEN) MAY FORM IF HEATED IN AIR ABOVE 300F  
(149C). PROVIDE VENTILATION TO CONTROL VAPOR EXPOSURE WITHIN  
INHALATION GUIDELINES WHEN HANDLING AT E LEVATED TEMPERATURES.

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

Respiratory Protection:USE RESPIRATORY PROTECTION

UNLESS ADEQUATE LOCAL

EXHAUST VENTILATION IS PROVIDED OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN RECOMMENDED EXPOSURE GUIDELINES. INDUSTRIAL HYGIENE PERSONNEL CAN ASSIST IN JUDGING THE ADEQUACY OF EXISTING ENGINEERING CONTROLS. (SEE SUPPLEMENTAL SAFETY & HEALTH DATA)

Ventilation:LOCAL VENTILATION: RECOMMENDED. GENERAL VENTILATION: RECOMMENDED.

Protective Gloves:CHEMICAL PROTECTIVE GLOVES ARE RECOMMENDED. SILVER SHIELD (R). 4H(R).

Eye Protection:USE CHEMICAL WORKER'S GOGGLES.

Work Hygienic Practices:WASH AT MEALTIME AND END OF SHIFT. IF SKIN CONTACT OCCURS, CHANGE CONTAMINATED CLOTHING AS SOON AS POSSIBLE AND THOROUGHLY FLUSH AFFECTED AREAS WITH COOL WATER.

Supplemental Safety and Health

SUITABLE RESPIRATOR: GENERAL AND LOCAL EXHAUST VENTILATION IS RECOMMENDED TO MAINTAIN VAPOR EXPOSURES BELOW RECOMMENDED LIMITS. FOLLOW OSHA RESPIRATOR REGULATIONS (29 CFR 1910.134) AND USE NIOSH/MSHA APPROVED RESPIRATORS.

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Physical/Chemical Properties =====

HCC:F3

Boiling Pt:>35.C, 95.F

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

Vapor Pres:NOT DETERMINED

Spec Gravity:1.002@25C

pH:NOT DETERMINED

Viscosity:105 CST

Solubility in Water:NOT DETERMINED

Appearance and Odor:BROWN LIQUID; SOLVENT ODOR

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIAL CAN CAUSE A REACTION.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:

CARBON OXIDES AND TRACES OF

INCOMPLETELY BURNED CARBON COMPOUNDS. METAL OXIDES. SILICON DIOXIDE. FORMALDEHYDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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Toxicological Information =====

Toxicological Information:ETHYLBENZENE (CAS# 100-41-4): EVIDENCE OF TERATOGENICITY (BIRTH DEFECTS) IN LABORATORY ANIMALS AND GENETICALLY ACTIVE IN 'IN VIVO' ASSAY(S). LINSEED OIL (CAS# 8001-26-1), POSSIBLE SKIN SENSITIZER.

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Ecological Information =====

Ecological:COMPLETE INFORMATION IS NOT YET AVAILABLE.

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

Waste Disposal Methods:RCRA HAZARD CLASS (40 CFR 261)- WHEN A DECISION IS MADE TO DISCARD THIS MATERIAL, AS RECEIVED, IS IT CLASSIFIED AS A HAZARDOUS WASTE? TCLP: D018. STATE OR LOCAL LAWS MAY IMPOSE ADDITIONAL REGULATORY REQUIREMENTS REGARDING DISPOSAL. CALL DOW CORNING CORPORATE ENVIRONMENTAL MANAGEMENT, (517 ) 496-6315, IF ADDITIONAL INFORMATION IS REQUIRED.

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

Transport Information:FLAMMABLE LIQUID, NOS (XYLENE, ETHYLBENZENE), HAZARD CLASS 3, UN1993, PACKING GROUP III. CALL DOW CORNING TRANSPORTATION, (517) 496-8577, IF ADDITIONAL INFORMATION IS REQUIRED.

===== Regulatory Information =====

SARA Title III Information:SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE. SECTION 304 CERCLA HAZARDOUS SUBSTANCES: XYLENE (1330-20-7, 35.0%), ETHYLBENZENE (100-41-4, 11.0%), NAPHTHALENE (91-20-3,