

DOW CORNING CORP -- MOLYKOTE D 321 R -- 9150-01-380-4235

===== Product Identification =====

Product ID:MOLYKOTE D 321 R

MSDS Date:06/11/1997

FSC:9150

NIIN:01-380-4235

Status Code:A

MSDS Number: CJXZX

=== Responsible Party ===

Company Name:DOW CORNING CORP

Address:3901 SOUTH SAGINAW ROAD

Box:997

City:MIDLAND

State:MI

ZIP:48686

Country:US

Info Phone Num:517-496-6000/6315/8577 (DISP/TRANS)

Emergency

Phone Num:517-496-5900/800-424-9300(CHEMTREC)

CAGE:5D028

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-99-M-B329

CAGE:4N760

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:DOW CORNING CORP

Address:2200 W SALZBURG RD

Box:CI

ty:AUBURN
State:MI
ZIP:48611
Country:US
Phone:517-496-4388
CAGE:71984
Company Name:KURT J LESKER CO
Address:1515 WORTHINGTON AVE
Box:City:CLAIRTON
State:PA
ZIP:15025
Country:US
Phone:412-233-4200
CAGE:29145

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===== Composition/Information on Ingredients =====

Ingred Name:N-BUTYL ACETATE (CERCLA)
CAS:123-86-4
RTECS #:AF7350000
= Wt:10.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:150 PPM
ACGIH TLV:150 PPM/200STEL;9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:PETROLEU
M DISTILLATE/HYDRODESULFURIZED NAPHTHA, HEAVY
..C7-12
CAS:64742-82-1
= Wt:10.
Other REC Limits:TWA 100 PPM (MFR)

Ingred Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
RTECS #:QA4697000
= Wt:6.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG MO/M3
ACGIH TLV:10 MG MO/M3

Ingred Name:POLY(BUTYLTITANATE)
CAS:9022-96-2
= Wt:4.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:S: 50 PPM CEILING

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
= Wt:2.
Other REC Limits:NONE RECO

MMENDED
OSHA PEL:15 MPPCF; Z-3
ACGIH TLV:2 MG/M3 RDUST; 9596

Ingred Name:BUTANE
CAS:106-97-8
RTECS #:EJ4200000
= Wt:56.
ACGIH TLV:1900 MG/M3;800 PPM

Ingred Name:PROPANE
CAS:74-98-6
RTECS #:TX2275000
= Wt:10.
OSHA PEL:1800 MG/M3;1000 PPM

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TA
RGET ORGANS: HEART MUSCLE, CNS,
LUNGS. ACUTE- CAUSES EYE IRRITATION. SKIN CONTACT CAN CAUSE
IRRITATION, DRYNESS. INHALATION: MAY CAUSE IRRITATION OF NOSE &
THROAT, CNS EFFECTS, PULMONARY EDEMA. CAN CAUSE SENSITIZATION OF
HEART MUSCLE IF INHALED AT HIGH CONCENTRATIONS. DEATH MAY OCCUR DUE
TO CARDIAC ARREST UPON REPEATED EXPOSURE TO HIGH CONCENTRATIONS.
ORAL:NOT AVAILABLE. CHRONIC-DERMATITIS.
Explanation of Carcinogenicity:NONE KNOWN.
Effects of Overexposure:IRRITATION, DRY
SKIN, TEARING, BLURRED VISION,
REDNESS, DEFATTING, HEADACHE, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA,
VOMITING, DIARRHEA, UNCONSCIOUSNESS, LOSS OF COORDINATION,
COUGHING,
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF THE HEART, RESPIRATORY TRACT, AND CNS MAY HAVE
INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIS

T. SKIN: WASH WITH SOAP & WATER. EYE: FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED: MOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method:CC

Flash Point:FLAMMABL AEROSOL

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, FOAM. USE WATER TO COOL FIR

E-EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. AEROSOL CAN UNDER PRESSURE. MAY BURST OR EXPLODE.

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

Spill Release Procedures:REMOVE IGNITION SOURCES. VENTILATE AREA. PLACE LEAKING CONTAINERS OUTDOORS, IN AN OPEN CONTAINER. ALLOW PRESSURE TO DISSIPATE. ABSORB LIQUID WITH NON-FLAMMABLE ABSORBENT MATERIALS AND PLACE IN CONTAINER FOR DISPOSAL.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A WELL VENTILATED AREA AWAY FROM IGNITION SOURCES & STRONG OXIDIZING AGENTS. DO NOT STORE ABOVE 120F OR IN DIRECT SUNLIGHT. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:FLAMMABLE. USE IN WELL VENTILATED AREA/HOOD. AVOID

BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN/ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDER BEFORE REUSE.

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

Respiratory Protection:IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-SUPPLIED RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSU

RE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NITRILE RUBBER, SILVER SHIELD(R) & 4H(R).

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE
AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE. LAB
COAT

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES.

Supplemental Safety and Health

FORMULA AND PERCENTAGES CHANGED. FOR PREVIOUS
FORMULATIONS/CONCENTRATIONS, SEE FMN 1-4, SAME NSN.

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

HCC:V3

NRC/State Lic Num:NOT RELEVANT

Vapor Density:>1

Spec Gravity:1.07

Appearance and Odor:CHARCOAL GRAY LIQUID - SOLVENT ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stabi

lity Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER
SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
INCOMPLETELY BURNED CARBON CMPD, FORMALDEHYDE, NITROGEN OXIDES,
SULFUR AND METAL OXIDES

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

Toxicological Information:NO INFORMATION PROVIDED IN MSDS.

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

Ecological:NO INFORMATION PROVIDED IN MSDS.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT INCINERATE AEROSOL CANS.

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

Transport Information:PSN: NOT ASSESSED.

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

SARA Title III Information:SEC 302 EHS: NONE. SEC 312 HAZ CLASS: ACUTE, CHRONIC, FIRE AND PRESSURE= YES. SEC 313 TOXIC CHEMICALS: NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

Federal Regulatory Information:THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY.

State Regulatory Information:CALIFORNIA PROP 65: CONTAINS CHEMICALS TO CAUSE CANCER= QUARTZ