

DOW CORNING CORP -- DRY FILM LUBRICANT 321,DC 321-NEW (LIQUID) -- 9150-01-414-4545

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

Product ID: DRY FILM LUBRICANT 321,DC 321-NEW (LIQUID)

MSDS Date: 12/19/1995

FSC: 9150

NIIN: 01-414-4545

MSDS Number: BZLTS

=== 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: 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: City: AUBURN

State: MI

ZIP: 48611

Country: US

Phone: 517-496-4388

CAGE: 71984

Company Name: MCKEOWN ROBERT CO. INC.

Address: 111 CHAMBERS BROOK RD.

Box: City: SOMERV

ILLE
State:NJ
ZIP:08876
Country:US
Phone:908-218-9000
CAGE:7B953
Company Name:SDB CONSULTANTS LTD
Address:401 WHITNEY AVE SUITE 120
Box:City:GRETNA
State:LA
ZIP:70056
Country:US
Phone:504-366-9105
CAGE:0PGK2

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

Ingred Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
RTECS #:QA4697000
Fraction by Wt: 18%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG MO/M3
ACGIH TLV:10 MG MO/M3

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659
600
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MPPCF; Z-3
ACGIH TLV:2 MG/M3 RDUST; 9596

Ingred Name:STODDARD SOLVENT
CAS:8052-41-3
RTECS #:WJ8925000
Fraction by Wt: 65%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:100 PPM; 9596

Ingred Name:POLY(BUTYLTITANATE)
CAS:9022-96-2
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:S: 50 PPM CEILING

Ingred Name:5-NITRO-1,3-BENZENEDICARBOXYLIC ACID,ZINC SALT
CAS:60580-61-2
Fraction by

Wt: 1%
Other REC Limits:NONE RECOMMENDED

===== 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:TARGET ORGANS:EYE, SKIN, LIVER, CNS,
RESPIRATOR & GI TRACTS. ACUTE- CAUSES EYE IRRITATION.
PROLONGED/REPEATED SKIN CONTACT CAN CAUSE IRRITATION, DRYNESS.
OVEREXPOSURE BY INHALATION MAY CAU
SE IRRITATIO N, CNS EFFECTS, LUNG
& LIVER INJURY. MAY BE ASPIRATED WHILE SWALLOWING/VOMITING CAUSING
LUNG DAMAGE. CHRONIC- DERMATITIS
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, DRY SKIN, TEARING, BLURRED VISION,
REDNESS, DEFATTING, HEADACHE, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA,
VOMITING, DIARRHEA, DERMATITIS
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, CNS MAY HAVE
INCR
EASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. 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:ONLY INDUC E VOMITING AT THE INSTRUCTIONS OF A PHYSICIAN. CALL
A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING
BY MOUTH TO AN UNC
ONSCIOUS PERSON.

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

Flash Point Method:CC
Flash Point:108F,42C
Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE,
FOAM. USE WATER TO COOL FIRE-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.

CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND/CLAY. PLACE IN CONTAINER FOR DISPOSAL. WASH SPILL SITE AFTER PICK UP IS COMPLETE. PREVENT LIQUID FROM ENTERINGSEWER.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN VENTILATED AREA AWAY FROM IGNITION SOURCES & STRONG OXIDIZING AGENTS. 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-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

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

Protective Gloves:NITRILE RUBBER

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

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

HCC:F4

NRC/State Lic Num:NOT RELEVANT

Vapor Density:>1

Spec Gravity:0.97

Appearance and Odor:CHARCOAL GRAY LIQUID - SOLVENT ODOR

===== Stability

and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

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

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

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. MAY BE BURNED IN AN APPROVED CHEMICAL

INCINERATOR. RECYCLING OR REUSING IS RECOMMENDED. CHARACTERISTIC
WASTE: IGNITABLE (D001)

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