

DOW CORNING CORP. -- 321 DRY FILM LUBRICANT -- 9150-01-380-4235

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

Product ID:321 DRY FILM LUBRICANT

MSDS Date:12/19/1995

FSC:9150

NIIN:01-380-4235

MSDS Number: CHQPB

=== Responsible Party ===

Company Name:DOW CORNING CORP.

Address:3901 SOUTH SAGINAW ROAD

Box:997

City:MIDLAND

State:MI

ZIP:48640

Country:US

Info Phone Num:517-496-5900

Emergency Phone Num:517-496-5900

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:SOMERVILLE

State:NJ

ZIP:08876

Country:US

Phone:908-218-9000

CAGE:7B953

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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:5 MG MO/M3
ACGIH TLV:5 MG MO/M3

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
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
OS
HA 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:ZINC SALT 5-NITOR-1,3-BENZENNE-DICARBOXYLIC ACID MFR GIVES
CAS AS 60580612
Fraction by Wt: 1%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:YES Skin:YES Inges

tion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:DIRECT EYE CONTACT IRRITATES

MODERATELY WITH REDNESS AND SWELLING. REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DEFATTING OF THE SKIN AND DERMATITIS. SHORT VAPOR EXPOSURE MAY CAUSE DROWSINESS, IRRITATE NOSE AND THROAT AND CAUSE LUNG/LIVER INJURY. SMALL AMOUNTS TRANSFERRED TO MOUTH BY FINGERS SHOULD NOT INJURE.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT

CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYE REDNESS/SWELLING/IRRITATION, SKIN IRRITATION, DERMATITIS, DROWSINESS, NOSE IRRITATION, THROAT IRRITATION, LUNG INJURY, LIVER INJURY.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKI

N: REMOVE CONTAMINATED CLOTHING.

WASH WITH SOAP & WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. ONLY INDUCE VOMITING AT INSTRUCTIONS OF A PHYSICIAN. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:CC

Flash Point:108F,42C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishi

ng Media:CARBON DIOXIDE, WATER, WATER FOG/SPRAY, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard:VAPOR IS FLAMMABLE AND HEAVIER THAN AIR AND MAY TRAVEL TO SOURCE OF IGNITION AND FLASHBACK. STATIC ELCTRICITY MAY ACCUMULATE AND IGNITE VAPORS.

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

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Spill Release Procedures: REMOVE POSSIBLE IGNITION SOURCES AND USE NON-SPARKING TOOLS. MOP UP, WIPE UP OR SOAK UP WITH ABSORBENT MATERIAL AND CONTAIN FOR SALVAGE OR DISPOSAL. CLEAN ANY REMAINING SLIPPERY SURFACES BY APPROPRIATE TECHNIQUES. USE PROPER PERSONNEL PROTECTION.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: KEEP CONTAINER CLOSED AND AWAY FROM HEAT, SPARKS AND OPEN FLAMES.

Other Precautions: AVOID EYE CONTACT. AVOID SKIN CONTACT. AVOID BREATHING VAPOR. KEEP CONTAINER CLOSED. DO NOT TAKE INTERNALLY.

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

Respiratory Protection: IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR.

Ventilation: LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves: RECOMMENDED

Eye Protection: SAFETY GLASSES

Other Protective Equipment: CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health
CONTAMINATED CLOTHING AND SHOES SHOULD BE REMOVED AS SOON AS PRACTICAL AND THOROUGHLY CLEANED BEFORE REUSE.

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

HCC: V3

Boiling Pt: B.P. Text: NOT GIVEN

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

Decomp Temp: Decomp Text: NOT GIVEN

Vapor Pres: NOT GIVEN

Vapor Density: NOT GIVEN

Spec Gravity: 0.97

Viscosity: > 50 CST

Evaporation Rate & Reference: NOT GIVEN

Solubility in Water: INSOLUBLE

Appearance and Odor: CHARCOAL GRAY LIQUID, SOLVENT ODOR

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===== Stability and Reacti

vity Data =====

Stability Indicator/Materials to Avoid: YES

OXIDIZING MATERIAL CAN CAUSE A REACTION.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: NITROGEN OXIDES, METAL OXIDES, SULFUR OXIDES, CARBON OXIDES, TRACES INCOMPLETELY BURNED CARBON COMPOUNDS, FORMALDEHYDE

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

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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