

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

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

Product ID:321 DRY FILM LUBRICANT

MSDS Date:07/11/1994

FSC:9150

NIIN:01-380-4235

MSDS Number: CBSNX

=== 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

===== 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
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

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:YES Skin:YES Ingestion: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 DROWSI
NESS, IRRITAT E 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:NO

NE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.

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

Flash Point:108F,42C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:CARBON DIOXID, 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.

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

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.

=====
===== 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.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATION 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 FACI
LITIES.

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

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

HCC:V3
Boiling Pt:B.P. Text:NOT GIVEN
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:NOT GIVEN
Vapor Density:NOT GIVEN
Spec Gravity:0.97
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:INSOLUBLE
Appearance and Odor:CHARCOAL GRAY LIQUID, SOLVENT ODOR

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

NG

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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 this information to be accurate and disclaims all liability for its use. Any person utilizing this document sho

uld seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.