

DOW CORNING CORPORATION -- DOW CORNING 321 DRY FILM LUBRICANT (AEROSOL) --
9150-01-380-4235

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

Product ID:DOW CORNING 321 DRY FILM LUBRICANT (AEROSOL)

MSDS Date:11/03/1995

FSC:9150

NIIN:01-380-4235

Status Code:A

MSDS Number: CLNQR

=== Responsible Party ===

Company Name:DOW CORNING CORPORATION

Address:3901 SOUTH SAGINAW ROAD

Box:997

City:MIDLAND

State:MI

ZIP:48686-0

997

Country:US

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

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

Resp. Party Other MSDS Num.:02413191

Chemtrec 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:SPO-450-02-M-L065
CAGE:7B953

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Composition/Information on Ingredients
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Ingred Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
RTECS #:QA4697000
= Wt:9.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 DUST, AS MO
ACGIH TLV:10 MG/M3 AS MO

Ingred Name:GRAPHITE
CAS:7782-42-5
RTECS #:MD9659600
= Wt:3.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 MG/M3 RDUST
ACGIH TLV:2 MG/M3 RDUST; 9596

Ingred Name:STODDARD SOLVENT
CAS:8052-41-3
RTECS #:WJ8
925000
= Wt:34.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM

Ingred Name:POLYBUTYL TITANATE
CAS:9022-96-2
= Wt:5.

Ingred Name:SWEETENED LIQUEFIED PETROLEUM GAS (LPG)
CAS:68476-86-8
= Wt:48.
Other REC Limits:TWA 1000 PPM
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE

: EYE-DIRECT CONTACT IRRITATES SLIGHTLY. SKIN-A SINGLE RELATIVELY SHORT EXPOSURE CAUSES NO KNOWN ADVERSE EFFECT. SEVERAL REPEATED/PROLONGED EXPOSURES (24-48 HRS) MAY IRRITATE. INHALATION-SHORT V APOR EXPOSURE MAY IRRITATE NOSE & THROAT & CAUSE INJURY TO THE FOLLOWING ORGAN(S): LUNGS, LIVER. GAS MAY SUFFOCATE BY REDUCING THE AMOUNT OF AIR (PXYGEN) AVAILABLE FOR BREATHING. ORAL-SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE ETC., SHOULD NOT INJURE. SWA
LLOWING LARGE AMOUNTS MAY INJURE SLIGHTLY.

Explanation of Carcinogenicity:CARCINOGENS: NONE KNOWN.

Effects of Overexposure:EYE: REDNESS AND SWELLING. INHALATION: MAY CAUSE DROWSINESS.

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First Aid Measures
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First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE FROM SKIN & WASH THOROUGHLY WITH SOAP & WATER OR WATERLESS CLEANSER. GET MEDICAL ATTENTION IF IRRITATION OR OTH ER ILL EFFECTS DEVELOP OR PERSIST. INHALATION: REMOVE TO FRESH AIR. GET IMMEDIATE MEDICAL ATTENTION. ORAL: GET MEDICAL ATTENTION. COMMENTS: TREAT ACCORDING TO PERSON'S CONDITION & SPECIFICS OF EXP OSURE.

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Fire Fighting Measures
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Flash Point Method:CC

Flash Point:FLAMMABL AEROSOL

Extinguishing Media:CARBON DIOXIDE (CO2). WATER SPRAY. DRY CHEMICAL. FOAM. WATER CAN BE USED TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:SELF-CONTAINED BREA
THING APPARATUS AND

PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS. USE WATER SPRAY TO KEEP FIRE EXPOSED CONTAINERS COOL. EVACUATE AREA IN CASE OF OVERHEA TING OF FIRE.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND CAN TRAVEL ALONG GROUND TO REMOTE IGNITION SOURCES.

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Accidental Release Measures
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Spill Release Procedures:DISPOSAL OF COLLECTED PRODUCT, RESIDUES & CLEANUP MATERIALS MAY BE GOVERNMEN

TALLY REGULATED. OBSERVE ALL

APPLICABLE LOCAL, STATE & FEDERAL WASTE MANAGEMENT REGULATIONS. LET PROPELLANT EVAPORATE. COLLECT & CONTAIN FOR SALVAGE OR DISPOSAL.

OBSERVE ALL PERSONAL PROTECTIVE EQUIPMENT RECOMMENDATIONS DESCRIBED IN CONTROL MEASURES. LOCAL, STATE & FEDERAL REPORTING REQUIREMENTS MAY APPLY.

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

Handling and Storage Precautions: HANDLING: NO SPECIAL PRECAUTIONS.

STORAGE: KEEP CONTAINER CLOSED AND AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

Other Precautions: THIS MATERIAL MAY CAUSE SENSITIZATION OF THE HEART MUSCLE IF INHALED AT HIGH CONCENTRATIONS. DEATH MAY OCCUR DUE TO CARDIAC ARREST UPON REPEATED EXPOSURE TO HIGH CONCENTRATIONS. LIQUID CONTACT CAN CAUSE FROSTBITE TYPE BURN TO EYES & SKIN.

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===== 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. SUITABLE RESPIRATOR: SELF-CONTAINED BREATHING APPARATUS (SCBA) OR OTHER SUPPLIED-AIR RESPIRATOR.

Ventilation: LOCAL EXHAUST RECOMMENDED. MECHANICAL (GENERAL): RECOMMENDED.

Protective Gloves: SILVER SHIELD(R). 4 H(R).

Eye Protection: USE PROPER PROTECTION - SAFETY GLASSES AS A MINIMUM.

Other Protective Equ

ipment: CHEMICAL PROTECTIVE GLOVES ARE RECOMMENDED.

Work Hygienic Practices: WASH AT MEALTIMES AND END OF SHIFT.

CONTAMINATED CLOTHING AND SHOES SHOULD BE REMOVED AS SOON AS PRACTICAL AND THOROUGHLY CLEANED BEFORE REUSE.

Supplemental Safety and Health

MSDA NO: 02413191. GENERIC DESCRIPTION: AEROSOL WITH HYDROCARBON PROPELLANT. PHYSICAL FORM: AEROSOL SPRAY CAN. COLOR: CHARCOAL.

ODOR: SOLVENT ODOR. NFPA PROFILE: HEALTH 2 FLAMMABILITY 4

REACTIVITY 0. NOTE: NFPA-NATIONAL FIRE PROT

CTION ASSOCIATION.

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

HCC:V3

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:1.00

Viscosity:NOT KNOWN

Solubility in Water:N/D

Appearance and Odor:CHARCOAL COLOR - SOLVENT ODOR; AEROSOL SPRAY CAN.

Percent Volatiles by Volume:N/D

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NITROGEN OXIDES. METAL

OXIDES. SULFUR

OXIDES. CARBON OXIDES AND TRACES OF INCOMPLETELY BURNED CARBON
COMPOUNDS. FORMALDEHYDES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:TERATOGENS: NONE KNOWN. MUTAGENS: NONE KNOWN.

REPRODUCTIVE TOXINS: NONE KNOWN. SENSITIZERS: NONE KNOWN.

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

Ecological:COMPLETE INFORMATION NOT YET AVAILABLE.

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

Waste Disposal Methods:WHEN A DECISION IS MADE TO DISCARD THIS
MATERIAL, AS RECEIVED, IS IT CLASSIFIED AS A HAZARDOUS WASTE? Y.

FEDERAL HAZARDOUS WASTE CODE: NA. CHARACTERISTIC WASTE:

IGNITABLE:D001. CORROSIVE: NA. REACTIVE : NA. TCLP: NA. STATE OR

LOCAL LAWS MAY IMPOSE ADDITIONAL REGULATORY REQUIREMENTS REGARDING
DISPOSAL .

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

Transport Information:D

OT INFORMATION (49 CFR 172.101) PROPER SHIPPING

NAME: CONSUMER. HAZARD TECHNICAL NAME: NOT APPLICABLE. HAZARD CLASS: ORM-D. UN/NA NUMBER: NOT APPLICABLE. PACKING GROUP: NOT APPLICABLE. CALL DOW CORNING TRANSPORTATION, (517) 496-8577, IF ADDITIONAL INFORMATION IS REQUIRED.

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Regulatory Information
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SARA Title III Information:SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE. SECTION 304 CERCLA HAZARDOUS SUBSTANCES: NONE. SECTION 312

HAZARD CLASS: ACUTE-YES, CHRONIC-Y, FIRE-Y, PRESSURE-N, REACTIVE-N. Y=YES. N=NO. SECTION 313 TOXIC CHEMICALS: NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

Federal Regulatory Information:COMMENTS: THE ABOVE COMPONENTS ARE HAZARDOUS AS DEFINED IN 29 CFR 1910.1200. TSCA: ALL CHEMICAL SUBSTANCES FOUND IN THIS PRODUCT COMPLY WITH THE TOXIC SUBSTANCES CONTROL ACT INVENTORY REPORTING REQUIREMENTS.

State Regulatory Information:CALIFORNIA: NONE KNOWN. MASSACHUSETTS:

8052413, 34, STODDARD SOLOVENT. 7782425, 3, GRAPHITE. 1317335, 9, MOLYBDENUM DISULFIDE. NEW JERSEY: 68476868, 48, SWEETENED LIQUIFIED PETROLEUM GAS (LPG). 8052413, 34, STODDARD SOLOVENT. 7782425, 3, GRAPHITE. 1317335, 9, MOLYBDENUM DISULFIDE, 9022962, 5, POLYBUTYL TITENATE. PENNSYLVANIA: 68476868, 48, SWEETENED LIQUIFIED PETROLEUM GAS (LPG). 8052413, 34, ST ODDARD SOLOVENT. 7782425, 3, GRAPHITE. 1317335, 9, MOLYBDENUM DISULFIDE, 9022962, 5, POLYBUTYL TITEN ATE.

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Other Information
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