

DOW CORNING CORPORATION -- DOW CORNING 321 DRY FILM LUBRICANT (AEROSOL) --
9150-01-414-4545

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

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

MSDS Date:11/03/1995

FSC:9150

NIIN:01-414-4545

Status Code:A

MSDS Number: CKYDJ

=== 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:DOW CORNING CORP

Address:2200 W SALZBURG RD

Box:City:AUBURN

State:MI

ZIP:48611

Country:US

Phone:517-496-4

388

CAGE:71984

Company Name:LAMINATED MATERIALS CORP.

Address:162 W LIPPINCOTT ST

Box:6710

City:PHILADELPHIA

State:PA

ZIP:19133-4221

Country:US

Phone:215-425-4100

CAGE:20200

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:SP0450-01-M-C952

CAGE:7B953

Company Name:SDB CONSULTANTS LTD

Box:UNKNOW

CAGE:0P5K2

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

Ingred Name:STODDARD S

OLVENT

CAS:8052-41-3

RTECS #:WJ8925000

= 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

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

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

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 EXPOS
URES (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. SWALLOWING 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 =====

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 OTHER 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 =====

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 BREATHING 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 OVERHEATING OF FIRE.

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

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

Spill Release Procedures: DISPOSAL OF COLLECTED PRODUCT, RESIDUES & CLEANUP MATERIALS MAY BE GOVERNMENTALLY 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.

===== 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. PLEASE READ THE ADDITIONAL INFORMATION BELOW.

===== 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 Equipment: CHEMICAL PROTECTIVE GLOVES ARE RECOMMENDED.

Work Hygienic Practices: WASH AT MEALTIMES AND END OF S

HIFT.

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 PROTECTION ASSOCIATION.

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

HCC:V3

NRC/Sta

te 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. FORMALDE

HYDES.

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.

===== 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:DOT 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.

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

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 TOX

IC 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, STODDARD SOLOVENT.
7782425, 3, GRAPHITE. 1317335, 9, MOLYBDENUM DISULFIDE, 9022962, 5,
POLYBUTYL TITENATE.

===== Other Information =====

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mation by the compiling agencies):

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