

DOW CORNING CORPORATION -- DOW CORNING (R) 3451 CHEMICAL RESISTANT BEARING GREASE -- 9150-00-482-6884

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

Product ID:DOW CORNING (R) 3451 CHEMICAL RESISTANT BEARING GREASE

MSDS Date:11/09/2000

FSC:9150

NIIN:00-482-6884

Status Code:A

MSDS Number: CLBFY

=== Responsible Party ===

Company Name:DOW CORNING CORPORATION

Address:3901 SOUTH SAGINAW ROAD

Box:997

City:MIDLAND

S

tate:MI

ZIP:48686-0997

Country:US

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

Emergency Phone Num:517-496-5900

Resp. Party Other MSDS Num.:01974220

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

Phon

e:908-218-9000
Contract Num:SP0450-01-M-LA57
CAGE:7B953

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

Ingred Name:NONE PRESENT. THIS IS NOT A HAZARDOUS MATERIAL AS DEFINED
IN THE OSHA HAZARD COMMUNICATION STANDARD.

= Wt:100.

Code:F

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

Health Hazards Acute and Chronic:ACUTE EFFECTS: EYE-DIRECT CONTACT MAY
CAUSE TEMPORARY REDNESS AND DISCOMFORT. SKIN-NO SIGNIFICANT
IRRITATION EXPECTED FROM A SI
NGLE SHORT-TERM EXPOSURE.

INHALATION-NO SIGNIFICANT EFFECTS FROM A SINGLE SHORT-TERM
EXPOSURE. ORAL-LOW INGESTION HAZARD IN NORMAL USE.

PROLONGED/REPEATED EXPOSURE EFFECTS: SKIN-NO KNOWN APPLICABLE
INFORMATION. INHLATION-NO KNOWN APPLICABLE INFORMATION. ORAL-NO
KNOWN APPLI CABLE INFORMATION.

Effects of Overexposure:NO KNOWN APPLICABLE INFORMATION.

Medical Cond Aggravated by Exposure:NO KNOWN APPLICABLE INFORMATION.

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

First Aid:EYE: IMMEDIATELY FLUSH WITH WATER. SKIN: NO FIRST AID SHOULD
BE NEEDED. INHALATION: NO FIRST AID SHOULD BE NEEDED. ORAL: NO
FIRST AID SHOULD BE NEEDED.

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

Flash Point:SOLID

Extinguishing Media:ON LARGE FIRES USE DRY CHEMICAL, FOAM, OR WATER
SPRAY. ON SMALL FIRES USE CARBON DIOXIDE (CO2), DRY CHEMICAL. OR
WATER SPRAY. WATER CAN BE USED TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:

SELF-CONTAINED BREATHING APPAATUS & PROTECTIVE
CLOTHING SHOULD BE WORN IN FIGHTING LARGE FIRES INVOLVING
CHEMICALS. DETERMINE THE NEED TO EVACUATE OR ISOLATE THE AREA
ACCORDING TO YOUR LOCAL EMERGENCY PLAN. USE WATER SPRAY TO KEEP
FIRE EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:OBSERVE ALL PERSONAL PROTECTION EQUIPMENT
RECOMMENDATIONS DESCRIBED IN FIRE FIGHTING/CON

TROL MEASURE

SECTIONS. WIPE UP OR SCRAPE UP & CONTAIN FOR SALVAGE OR DISPOSAL. CLEAN AREA AS APPROPRIATE SINCE SO ME SILICONE MATERIALS, EVEN IN SMALL AMOUNTS, MAY PRESENT A SLIP HAZARD. FINAL CLEANING MAY REQUIRE USE OF STEAM, SOLVENTS OR DETERGENT. DISPOSE OF SATURATED ABSORBENT/CLEANING MATERIAL APPROPRIATELY.

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

Handling and Storage Precautions:USE WITH ADEQUATE VENTILATION. THIS MATERIAL MAY FORM HIGHLY TOXIC VAPORS OF TRIFLUOROPROPIONALDEHYDE IF HEATED IN AIR ABOVE 300F (149C). PROVIDE VENTILATION TO CONTROL VAPOR EXPOSURE. ABOVE 482F/250C CAN PRODUCE HIGHLY TOXIC GASEOUS COMPOUNDS SUCH AS HYDROCARBON FLUORIDE & PERFLUOROHYDROCARBONS.
Other Precautions:PROVIDE GOOD VENTILATION OR RESPIRATOR IF PROBABILITY OF EXCEEDING 482F/250C. AVOID CONTAMINATION OF TOBACCO PRODUCTS. AVOID EYE CONTACT. USE REASONABLE CARE & STORE AWAY FROM OXIDIZING MATERIALS.

=====
===== Exposur
e Controls/Personal Protection =====

Respiratory Protection:NO RESPIRATORY PROTECTION SHOULD BE NEEDED.
Ventilation:LOCAL VENTILATION: NONE SHOULD BE NEEDED. GENERAL VENTILATION: RECOMMENDED.
Protective Gloves:NO SPECIAL PROTECTION NEEDED.
Eye Protection:USE PROPER PROTECTION- SAFETY GLASSES AS A MINIMUM.
Work Hygienic Practices:WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. AVOID EYE CONTACT. USE REASONABLE CARE.
Supplemental Safety and Health
MSDS NO.: 01974220. GENERIC DESCRIPTION: FLUOROSILICONE GREASE.
PHYSICAL FORM: GREASE. COLOR: WHITE. ODOR: SLIGHT ODOR. NFPA PROFILE: HEALTH=2, FLAMMIBILITY=1, INSTABILITY/REACTIVITY=0. NOTE: NFPA=NA TIONAL FIRE PROTECTION ASSOCIATION.

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

HCC:N1
Vapor Pres:N/D
Vapor Density:N/D
Spec Gravity:1.4
Viscosity:N/D
Appearance and Odor:GREASE, WHITE, SLIGHT ODOR.

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

Stability Indicator/Ma

terials to Avoid: YES

OXIDIZING MATERIAL CAUSE A REACTION.

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: CARBON OXIDES AND TRACES OF INCOMPLETELY BURNED CARBON COMPOUNDS. SILICON DIOXIDE. FLUORINE COMPOUNDS. FORMALDEHYDE.

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

Toxicological Information: ACUTE TOXICOLOGY DATA FOR PRODUCT: COMPLETE INFORMATION IS NOT YET AVAILABLE. COMPONENT TOXICOLOGY INFORMATION: INHALATION OF FUMES FROM FIRE DECOMPOSITION OF

POLYTETRAFLUOROETHYLENE (TEFLON) IS KNOWN TO CAUSE POLYMER FUME FEVER. THIS MATERIAL MAY FORM HIGHLY TOXIC VAPORS OF TRIFLUOROPROPIONALDEHYDE IF HEATED IN AIR ABOVE 300 (DEGREES) F (149 DEGREES C). PROVIDE VENTILATION TO CONTROL VAPOR EXPOSURE (INHALATION GUIDELINES HAVE NOT BEEN ESTABLISHED). SPECIAL HAZARD INFORMATION ON COMPONENTS: NO KNOWN APPLICABLE INFORMATION.

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

Ecological: ENVIRONMENT

TA; FATE AND DISTRIBUTION: NO SPECIFIC INFORMATION IS AVAILABLE. ENVIRONMENTAL EFFECTS: NO SPECIFIC INFORMATION IS AVAILABLE. FATE AND EFFECTS IN WASTE WATER TREATMENT PLANTS: NO SPECIFIC INFORMATION IS AVAILABLE. ECOTOXICITY CLASSIFICATION CRITERIA: HAZARD PARAMETERS (LC50 OR EC50)-ACUTE AQUATIC TOXICITY (MG/L), HIGH 1 & 100. ACUTE TERRESTRIAL TOXICITY, HIGH 100 & 2000.

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

Waste Disposal Methods: WHEN A DECISION IS MADE TO DISCARD THIS MATERIAL, AS RECEIVED, IT IS CLASSIFIED AS A HAZARDOUS WASTE? NO. STATE OR LOCAL LAWS MAY IMPOSE ADDITIONAL REGULATORY REQUIREMENTS REGARDING DISPOSAL.

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

Transport Information: DOT ROAD SHIPMENT INFORMATION (4 CFR 172.101): NOT SUBJECT TO DOT. OCEAN SHIPMENT (IMDG): NOT SUBJECT TO IMDG CODE. AIR SHIPMENT (ICAO): NOT SUBJECT TO ICAO REGULATIONS. CALL DOW CORNING TRANSPORTATION

O N *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-NO, CHRONIC-NO, FIRE-NO, PRESSURE-NO,
REACTIVE-NO. SECTION 313 TOXIC CH EMICALS: NONE PRESENT OR NONE
PRESENT IN REGULATED QUANTITIES.

Federal Regulatory Information:CONTENTS OF THIS MSDS COMPLY
WITH THE

OSHA HAZARD COMMUNICATION STANDRAD 29 CFR 1910.1200. TSCA STATUS:
ALL CHEMICAL SUBSTANCES IN THIS MATERIAL ARE INCLUDED ON OR
EXEMPTED FROM LISTING ON THE TSCA IN VENTORY OF CHEMICAL
SUSBSTANCES.

State Regulatory Information:CALIFORNIA: WARNING: THIS PRODUCT CONTAINS
THE FOLLOWING CHEMICAL(S) LISTED BY THE STATE OF CALIFORNIA UNDER
THE SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT OF 1986
(PROPOSITION 65) AS BEING KNOWN TO CAUSE CANCER, BIRTH DEFECTS OR
OTH

ER REPRODUCTIVE HARM. NONE KNOWN. MASSACHUSETTS: NO INGREDIENTS
REGULATED BY MA RIGHT-TO-KNOW LAW PRESENT. NEW JERSEY: 63148-56-1,
>60%, TRIFLUOROPROPYLMETHYL SILOXAN E, TRIMETHYL-TERMINATED.
9002-84-0, 30.00-60.00, POLYTETRAFLUOROETHYLENE. PENNSYLVANIA:
63148-56-1, >60%, TRIFLUOROPROPYLMETHYL SILOXANE,
TRIMETHYL-TERMINATED. 9002-84-0, 30.00-60.00,
POLYTETRAFLUOROETHYLENE.

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

Disclaimer (provided with t
his 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 should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.