

DOW CORNING CORP -- 22345 DOWANOL (R) DPM GLYCOL ETHER -- 6850-01-377-5075

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Product Identification
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Product ID:22345 DOWANOL (R) DPM GLYCOL ETHER

MSDS Date:02/08/1996

FSC:6850

NIIN:01-377-5075

Status Code:A

MSDS Number: CJLVL

=== Responsible Party ===

Company Name:DOW CORNING CORP

Address:100 LARKIN CENTER

City:MIDLAND

State:MI

ZIP:48674

Country:US

Info Phone Num:800-258-2436

Emergency

Phone Num:517-636-4400

Resp. Party Other MSDS Num.:PRODUCT CODE: 22345

CAGE:96717

=== Contractor Identification ===

Company Name:DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:800-258-2436

CAGE:96717

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

Contract Num:SP0450-99-M-NC11

CAGE:0A9L8

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Composition/Information on Ingredients
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Ingred Name:DIP

ROPYLENE GLYCOL MONOMETHYL ETHER

CAS:34590-94-8

RTECS #:JM1575000

= Wt:99.

OSHA PEL:600 MG/M3;100 PPM

ACGIH TLV:606 MG/M3;100 PPM

ACGIH STEL:909 MG/M3;150 PPM

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

LD50 LC50 Mixture:ORAL (RATS) LD50 IS 5.4 ML/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:EYES: MAY CAUSE SLIGHT TRANSIENT EYE IRRITATION. CORNEAL INJURY IS UNLIKELY. SKIN: PROLONGED EXPOSURE NOT LIKELY TO CAUSE SI

GNIFICANT SKIN IRRITATION. PROLONGED SKIN

CONTACT WITH VERY LARGE AMOUNTS MA Y CAUSE DROWSINESS. INHALATION: EXCESSIVE EXPOSURE MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. INGESTION: SINGLE DOSE ORAL TOXICITY IS CONSIDERED TO BE EXTREMELY LOW. SMALL AMOUNTS SWALLOWED INCI DENTAL TO NORMAL HANDLING OPERATIONS ARE NOT LIKELY TO CAUSE INJURY; SWALLOWING AMOUNTS LARGER THAN THAT MAY CAUSE INJURY.

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DROWSINESS.

INHALATION: IRRITATION OF UPPER RESPIRATORY TRACT, ANESTHETIC OR NARCOTIC EFFECTS.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER. SKIN: WASH OFF IN FLOWING WATER OR SHOWER. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, OXYGEN SHOULD BE A DMINISTERED BY QUALIFIED PERSONNEL. CALL A PHYSICIAN OR TRANSPORT TO A MEDICAL FACILITY. INGESTION: IF SWALLOWED,

GET

MEDICAL ATTENTION. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERS ONNEL.

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

Flash Point Method:TCC

Flash Point:=79.4C, 175.F

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:1.1VOL%@100C

Upper Limits:14VOL%@150C

Extinguishing Media:WATER FOG OR FINE SPRAY, CARBON DIOXIDE, DRY CHEMICAL, FOAM, ALCOHOL RESISTANT FOAMS (ATC TYPE) ARE PREFERRED. DO NOT USE DIRECT WATER STREAM.

Fire Fighti

ng Procedures:WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND PROTECTIVE FIRE FIGHTING CLOTHING. IF PROTECTIVE EQUIPMENT IS NOT USED, FIGHT FIRE FROM A SAFE DISTANCE. BURNING LIQUIDS MAY BE EXTINGUISHED BY DILUTATION WITH WATER. DO NOT USE DIRECT WATER STREAM. MAY SPREAD FIRE.
Unusual Fire/Explosion Hazard:NONE PROVIDED BY MFR.

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

Spill Release Procedures:ISOLATE AREA. CONTAIN LIQUID TO PREVENT CONTAMINATION OF SOIL, SURFACE WATER OR GROUND WATER. CLEAN UP RESIDUAL WITH NON-COMBUSTIBLE ABSORBENT MATERIAL AND WASH WITH WATER. COLLECT MATERIAL IN SUITABLE AND PROPERLY LABELED OPEN CONTAINERS.

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

Handling and Storage Precautions:CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN VAPORS. DO NOT CUT, DRILL, GRIND, WELD, OR PERFORM SIMILAR OPERATIONS ON OR NEAR EMPTY CONTAINERS. STORE IN CARBON STEEL, STAINLESS STEEL, TE FLON.

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

Respiratory Protection:WHEN AIRBORNE EXPOSURE GUIDELINES AND/OR COMFORT LEVELS MAY BE EXCEEDED, USE AN APPROVED AIR-PURIFYING RESPIRATOR.
Ventilation:LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.
Protective Gloves:USE GLOVES IMPERVIOUS TO THIS MATERIAL WHEN REPEATED CONTACT COULD OCCUR.
Eye Protection:SAFETY GLASSES, CHEMICAL GOGGLES ARE RECOMMENDED.
Other
Protective Equipment:FOR BRIEF CONTACT, NO PRECAUTIONS OTHER THAN CLEAN BODY-COVERING CLOTHING SHOULD BE NEEDED.
Work Hygienic Practices:NONE PROVIDED BY MFR.
Supplemental Safety and Health
NONE PROVIDED BY MFR.

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

HCC:V4
Boiling Pt:=183.9C, 363.F
Vapor Pres:0.41 MMHG @ 25 DEG C
Vapor Density:5.14
Spec Gravity:0.951 @ 25/25C
VOC Pounds/Gallon:951
VOC Grams/Liter:7.91
Solubility in Water:INFINITELY
Appearance and Odor:CLEAR,

COLORLESS LIQUID, SLIGHT ETHER ODOR.

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

Stability Indicator/Materials to Avoid: YES

AVOID CONTACT WITH OXIDIZING MATERIALS.

Stability Condition to Avoid: STABLE UNDER RECOMMENDED STORAGE CONDITIONS. AVOID STATIC DISCHARGE. FLAMMABLE VAPORS CAN BE RELEASED AT ELEVATED TEMPERATURES.

Hazardous Decomposition Products: DOES NOT NORMALLY DECOMPOSE. HAZARDOUS DECOMPOSITION PRODUCTS DEPEND UPON TEMPERATURE, AIR SUPPLY AND THE PRESENCE OF OTHER MATERIALS.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Toxicological Information: LD50 FOR SKIN ABSORPTION IN RABBITS IS >20 ML/KG. INGESTION: THE ORAL LD50 FOR RATS IS 5.4 ML/KG.

MUTAGENICITY: IN VITRO MUTAGENICITY STUDIES WERE NEGATIVE. TOXIC SUBSTANCES CONTROL ACT (TSCA): ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY. THE CAS

NUMBER FOR TSCA IS 034590-94-8.

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

Ecological: MATERIAL IS READILY BIODEGRADABLE. PASSES OECD TEST(S) FOR READY BIODEGRADABILITY. MATERIAL IS ULTIMATELY BIODEGRADABLE.

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

Waste Disposal Methods: DO NOT DUMP INTO SEWERS, ON GROUND, INTO A BODY OF WATER. DISPOSE IN COMPLIANCE WITH FEDERAL, STATE, LOCAL REGULATIONS. COMPLIANCE WITH APPLICABLE LAWS ARE RESPONSIBILITY OF

WASTE GENERATOR. PREFERRED DISPOSAL FOR UNUSED, UNCONTAMINATED PRODUCT IS SENDING TO LICENSED, PERMITTED RECYCLER, RECLAIMER, INCINERATOR OR OTHER THERMAL DESTRUCTION DEVICE.

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

SARA Title III Information: TO THE BEST OF MFR'S KNOWLEDGE, THIS PRODUCT CONTAINS NO CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION REQUIREMENTS. SARA HAZARD CATEGORY: THIS PRODUCT HAS BEEN REV

IEWED ACCORDI NG TO THE EPA "HAZARD CATEGORIES" PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES: AN IMMEDIATE HEALTH HAZARD AND A FIRE HAZARD.

State Regulatory Information:STATE RIGHT- TO-KNOW: THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY SUBSTANCES SUBJECT TO THE DISCLOSURE REQUIREMENTS OF NEW JERSEY OR PENNSYLVANIA.

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

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