

G L S
1066 DUCKMANN
WOODSTOCK, IL 60098
MARGE

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 4 CATALYST
EMERGENCY TELEPHONE NO. (517) 496-5900

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: DOW CORNING CORPORATION
ADDRESS: SOUTH SAGINAW ROAD, MIDLAND MI 48686

PROPER SHIPPING NAME(49CFR 172.101): NONE
D.O.T. HAZARD NAME(49CFR 172.101): NONE
D.O.T. ID NO(49CFR 172.101): NONE
D.O.T. HAZARD CLASS(49CFR 172.101): NONE
RCRA HAZARD CLASS(40CFR 261)(IF DISCARDED): NONE
E.P.A. PRIORITY POLLUTANTS(40CFR 122.53): TIN
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION - 704
HEALTH (NFPA): 2 FLAMMABILITY (NFPA): 1 REACTIVITY (NFPA): 0
CAS NO: 301-10-0 DOW CORNING WARNING CODE: NOT USED
GENERIC DESCRIPTION: ORGANIC TIN COMPOUND

SECTION II - HAZARDOUS INGREDIENTS AS DEFINED IN 29 CFR 1910.1200
(CARCINOGENS IDENTIFIED WITH AN ASTERISK *)

CAS NO.	INGREDIENT	WT. %	EXPOSURE LIMITS
000301100	STANNOUS OCTOATE	100	OSHA PEL: TWA 0.1 MG/M3 ACGIH TLV-SKIN: TWA 0.1 MG/M3 BOTH BASED ON TIN-ORGANIC COMPOUND

COMMENT: 2-ETHYLHEXANOIC ACID MAY FORM DURING USE. EXPOSURE LIMITS HAVE NOT BEEN DETERMINED.

SECTION III - EFFECTS OF OVEREXPOSURE

EYE: DIRECT CONTACT BURNS EYES WITH POSSIBLE PERMANENT INJURY, EVEN BLINDNESS.

SKIN: PROLONGED EXPOSURE (24 TO 48 HOURS) MAY BURN SERIOUSLY. SHORT PERIODS OF CONTACT (LESS THAN ONE HOUR) IRRITATE SERIOUSLY. OVEREXPOSURE MAY INJURE INTERNALLY IF ABSORBED.

INHALATION: MIST MAY IRRITATE NOSE AND THROAT.

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SECTION III - EFFECTS OF EXPOSURE (CONTINUED)

ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC., SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY INJURE SLIGHTLY.

COMMENTS: 2-ETHYLHEXANOIC ACID, WHEN FED TO PREGNANT RATS AT HIGH DOSE LEVELS (1.5 GMS/KG OF BODY WEIGHT), CAUSED BIRTH DEFECTS IN OFFSPRING AND INJURED MOTHERS. SUCH INJURIES MAY HAVE CAUSED THE BIRTH DEFECTS. THE POTENTIAL FOR HUMAN BIRTH DEFECTS FROM EXPOSURE IS UNKNOWN, BUT BELIEVED LOW.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

SKIN: WIPE OFF AND FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF ILL EFFECTS DEVELOP.

INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF ILL EFFECTS PERSIST.

ORAL: GET IMMEDIATE MEDICAL ATTENTION.

COMMENT: NONE

SECTION V - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): CLOSED CUP ABOVE 212F/100C

AUTOIGNITION: NOT DETERMINED

FLAMMABILITY LIMITS IN AIR: LOWER:N.D. UPPER: N.D.

EXTINGUISHING MEDIA: WATER X WATER FOG X CO2 DRY CHEMICAL FOAM X OTHER

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS: MAY RELEASE IRRITATING FUMES DURING COMBUSTION.

COMMENTS: N.D. - NOT DETERMINED.

SECTION VI - PHYSICAL DATA

BOILING POINT (@ 760 MM HG): NOT DETERMINED

SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 1.25

MELTING POINT: NOT APPLICABLE

VAPOR PRESSURE (AT 77 DEG F/25 DEG C): NOT APPLICABLE

VAPOR DENSITY (AIR = 1 AT 77 DEG F/25 DEG C): NOT APPLICABLE

PERCENT VOLATILE BY WEIGHT (%): NOT APPLICABLE

EVAPORATION RATE (ETHER = 1): LESS THAN 1

SOLUBILITY IN WATER(X): SLIGHT

ODOR, APPEARANCE, COLOR: SOME ODOR, LIQUID, LIGHT STRAW.

NOTE: THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT SPECIFICATIONS. CONTACT DOW CORNING BEFORE WRITING SPECIFICATIONS

SECTION VII - REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY(MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION. ACIDS AND BASES.

CONDITIONS TO AVOID: CONTACT WITH ACIDS AND BASES; EXPOSURE TO HEAT AND AIR.

HAZARDOUS DECOMPOSITION PRODUCTS: TIN OXIDES, CARBON DIOXIDE, AND TRACES OF INCOMPLETELY BURNED CARBON PRODUCTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT APPLICABLE.

COMMENTS: NONE.

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SECTION VIII - SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: USE ABSORBENT MATERIAL TO COLLECT AND CONTAIN FOR SALVAGE OR DISPOSAL.

PROTECTIVE EQUIPMENT:

YES: USE CHEMICAL WORKER GOGGLES.

SKIN: AVOID CONTACT BY USING IMPERVIOUS PROTECTIVE CLOTHING: RUBBER OR PLASTIC GLOVES, APRONS, BOOTS, ETC. USE PROTECTIVE CLOTHING AS A MINIMUM AND WASH IMMEDIATELY UPON ANY DETECTABLE CONTACT.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT ALL LOCAL, STATE, AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

D.O.T. (49CFR 171.8)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION

HAZARDOUS SUBSTANCE: NONE

REPORTABLE QUANTITY: NOT APPLICABLE

CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE

REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

COMMENTS: NONE.

SECTION IX - ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT:

EYES: USE CHEMICAL WORKER GOGGLES.

SKIN *: AVOID CONTACT BY USING IMPERVIOUS PROTECTIVE CLOTHING: RUBBER OR PLASTIC GLOVES, APRONS, BOOTS, ETC. USE PROTECTIVE GLOVES, AS A MINIMUM AND WASH PROMPTLY UPON ANY DETECTABLE CONTACT.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

VENTILATION:

LOCAL EXHAUST: MAY BE NEEDED

MECHANICAL (GENERAL): RECOMMENDED

SUITABLE RESPIRATOR: ORGANIC VAPOR TYPE; DUST/MIST TYPE

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING, USE AT ELEVATED TEMPERATURES, OR AEROSOL/SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS.

* GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.

COMMENTS: DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. AVOID BREATHING MIST. DO NOT TAKE INTERNALLY.

SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: USE REASONABLE CARE AND CAUTION. STORE AT ROOM TEMPERATURE AWAY FROM HEAT AND FLAME.

OTHER PRECAUTIONS: IF MIST OR AEROSOL IS CREATED, PROVIDE ADEQUATE VENTILATION TO CONTROL EXPOSURE WITHIN NUISANCE PARTICULATE TLV OF 10 MG/M3 OR USE A DUST/MIST TYPE RESPIRATOR.

COMMENTS: FOR INDUSTRIAL USE ONLY. NOT FOR FOOD, DRUG, COSMETIC, OR MEDICAL DEVICE USE. DO NOT EXPOSE TO AIR FOR LONG PERIODS - WILL REDUCE CATALYST

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THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY: JACK L. SHENEGER
LAST REVISION DATE: SEPTEMBER 30, 1988
PREVIOUS REVISION DATE: OCTOBER 14, 1986
DATE: OCTOBER 13, 1989
(R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.