

ITEM: 2NGJ2 - Sealant Silicone Clear 10.1 Oz

MSDS: B1887

ORDER: 0139070793

LP NUMBER: UC20234215

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - B1887

Associated Grainger Items
2NGJ2

XIAMETER(R*)

XIAMETER(R)

MATERIAL SAFETY DATA SHEET

VERSION: 2.2

REVISION DATE: 2008/01/08

DAP(R) SILICONE PLUS PREMIUM SILICONE RUBBER SEALANT ALL PURPOSE CLEAR, 8

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

DOW CORNING CORPORATION
SOUTH SAGINAW ROAD
MIDLAND, MICHIGAN 48686

24 HOUR EMERGENCY TELEPHONE: (989) 496-5900

CUSTOMER SERVICE: (989) 496-6000

PRODUCT DISPOSAL INFORMATION: (989) 496-6315

CHEMTREC: (800) 424-9300

MSDS NO.: 04080680

REVISION DATE: 2008/01/08

GENERIC DESCRIPTION: SILICONE ELASTOMER

PHYSICAL FORM: PASTE

COLOR: COLORLESS

ODOR: SOME ODOR

NEPA PROFILE:
HEALTH 2
FLAMMABILITY 1
INSTABILITY/REACTIVITY 0

NOTE:
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

ACUTE EFFECTS:

EYE: DIRECT CONTACT MAY CAUSE MILD IRRITATION.

SKIN: MAY CAUSE MODERATE IRRITATION.

INHALATION:
IRRITATES RESPIRATORY PASSAGES VERY SLIGHTLY. VAPOR OVEREXPOSURE MAY CAUSE DROWSINESS.

ORAL:
OVEREXPOSURE BY INGESTION MAY CAUSE DROWSINESS, DIZZINESS, CONFUSION OR LOSS OF COORDINATION.

PROLONGED/REPEATED EXPOSURE EFFECTS:

SKIN:
OVEREXPOSURE MAY INJURE INTERNALLY IF ABSORBED. REPEATED SKIN CONTACT MAY CAUSE ALLERGIC SKIN REACTION.

INHALATION:
OVEREXPOSURE BY INHALATION MAY INJURE THE FOLLOWING ORGAN(S): BLOOD. LIVER.

ORAL: REPEATED INGESTION OR SWALLOWING LARGE AMOUNTS MAY INJURE INTERNALLY.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: NO KNOWN APPLICABLE INFORMATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NO KNOWN APPLICABLE INFORMATION.

THE ABOVE LISTED POTENTIAL EFFECTS OF OVEREXPOSURE ARE BASED ON ACTUAL DATA, RESULTS OF STUDIES PERFORMED UPON SIMILAR COMPOSITIONS, COMPONENT DATA AND/OR EXPERT REVIEW OF THE PRODUCT. PLEASE REFER TO SECTION 11 FOR THE DETAILED TOXICOLOGY INFORMATION.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER	WT %	COMPONENT NAME
22984-54-9	3.0 - 7.0	METHYL TRI(ETHYLMETHYLKETOXIME) SILANE

THE ABOVE COMPONENTS ARE HAZARDOUS AS DEFINED IN 29 CFR 1910.1200.

4. FIRST AID MEASURES

EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES.

SKIN:
REMOVE FROM SKIN AND IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION OR ILL EFFECTS DEVELOP OR PERSIST.

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

ORAL: GET IMMEDIATE MEDICAL ATTENTION.

NOTES TO PHYSICIAN:
TREAT ACCORDING TO PERSON'S CONDITION AND SPECIFICS OF EXPOSURE.

5. FIRE FIGHTING MEASURES

FLASH POINT: NOT APPLICABLE.

AUTOIGNITION TEMPERATURE: NOT DETERMINED.

FLAMMABILITY LIMITS IN AIR: NOT DETERMINED.

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 MEASURES:
SELF-CONTAINED BREATHING APPARATUS AND 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 HAZARDS: NONE.

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT/CLEAN UP:
OBSERVE ALL PERSONAL PROTECTION EQUIPMENT RECOMMENDATIONS DESCRIBED IN SECTIONS 5 AND 6. WIPE UP OR SCRAPE UP AND CONTAIN FOR SALVAGE OR DISPOSAL. CLEAN AREA AS APPROPRIATE SINCE SPILLED MATERIALS, EVEN IN SMALL QUANTITIES, MAY PRESENT A SLIP HAZARD. FINAL CLEANING MAY REQUIRE USE OF STEAM, SOLVENTS OR DETERGENTS. DISPOSE OF SATURATED ABSORBENT OR CLEANING MATERIALS APPROPRIATELY, SINCE SPONTANEOUS HEATING MAY OCCUR. LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS MAY APPLY TO RELEASES AND DISPOSAL OF THIS MATERIAL, AS WELL AS THOSE MATERIALS AND ITEMS EMPLOYED IN THE CLEANUP OF RELEASES. YOU WILL NEED TO DETERMINE WHICH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS ARE APPLICABLE. SECTIONS 13 AND 15 OF THIS MSDS PROVIDE INFORMATION REGARDING CERTAIN FEDERAL AND STATE REQUIREMENTS.

NOTE:
SEE SECTION 8 FOR PERSONAL PROTECTIVE EQUIPMENT FOR SPILLS. CALL (989) 496-5900, IF ADDITIONAL INFORMATION IS REQUIRED.

7. HANDLING AND STORAGE

USE WITH ADEQUATE VENTILATION. PRODUCT EVOLVES METHYL ETHYL KETOXIME (MEKO) WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL METHYL ETHYL KETOXIME (MEKO) WITHIN EXPOSURE GUIDELINES OR USE RESPIRATORY PROTECTION. AVOID EYE CONTACT. AVOID SKIN CONTACT. AVOID BREATHING VAPOR, MIST, DUST, OR FUMES. KEEP CONTAINER CLOSED. DO NOT TAKE INTERNALLY.

USE REASONABLE CARE AND STORE AWAY FROM OXIDIZING MATERIALS. KEEP CONTAINER CLOSED AND STORE AWAY FROM WATER OR MOISTURE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS:

CAS NUMBER	COMPONENT NAME	EXPOSURE LIMITS
22984-54-9	METHYL TRI(ETHYLMETHYLKETOXIME) SILANE	SEE ETHYL METHYL KETOXIME COMMENTS.

ETHYL METHYL KETOXIME IS FORMED UPON CONTACT WITH WATER OR HUMID AIR. PROVIDE ADEQUATE VENTILATION TO CONTROL EXPOSURES WITHIN THE FOLLOWING EXPOSURE GUIDELINES:

VENDOR GUIDE:
TWA: 3 PPM
STEL: 10 PPM

AIHA WEEL:
TWA: 10 PPM.

ENGINEERING CONTROLS:

LOCAL VENTILATION: RECOMMENDED.

GENERAL VENTILATION: RECOMMENDED.

PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING:

EYES: USE PROPER PROTECTION - SAFETY GLASSES AS A MINIMUM.

SKIN:
WASH AT MEALTIME AND END OF SHIFT. IF SKIN CONTACT OCCURS, CHANGE CONTAMINATED CLOTHING AS SOON AS POSSIBLE AND THOROUGHLY FLUSH AFFECTED AREAS WITH COOL WATER. CHEMICAL PROTECTIVE GLOVES ARE RECOMMENDED.

SUITABLE GLOVES:
AVOID SKIN CONTACT BY IMPLEMENTING GOOD INDUSTRIAL HYGIENE PRACTICES AND PROCEDURES. SELECT AND USE GLOVES AND/OR PROTECTIVE CLOTHING TO FURTHER MINIMIZE THE POTENTIAL FOR SKIN CONTACT. CONSULT WITH YOUR GLOVE AND/OR PERSONNEL PROTECTIVE EQUIPMENT MANUFACTURER FOR SELECTION OF APPROPRIATE COMPATIBLE MATERIALS.

INHALATION:
USE RESPIRATORY PROTECTION UNLESS ADEQUATE LOCAL EXHAUST VENTILATION IS PROVIDED OR EXPOSURE ASSESSMENT DEMONSTRATES THAT EXPOSURES ARE WITHIN RECOMMENDED EXPOSURE GUIDELINES. IF PERSONNEL CAN ASSIST IN JUDGING THE ADEQUACY OF EXISTING ENGINEERING CONTROLS.

SUITABLE RESPIRATOR:

GENERAL AND LOCAL EXHAUST VENTILATION IS RECOMMENDED TO MAINTAIN VAPOR EXPOSURES BELOW RECOMMENDED LIMITS. WHERE CONCENTRATIONS ARE ABOVE RECOMMENDED LIMITS OR ARE UNKNOWN, APPROPRIATE RESPIRATORY PROTECTION SHOULD BE WORN. FOLLOW OSHA RESPIRATOR REGULATIONS (29 CFR 1910.134) AND USE NIOSH/MSHA APPROVED RESPIRATORS.

PERSONAL PROTECTIVE EQUIPMENT FOR SPILLS:

EYES: USE FULL FACE RESPIRATOR.

SKIN:

WASH AT MEALTIME AND END OF SHIFT. IF SKIN CONTACT OCCURS, CHANGE CONTAMINATED CLOTHING AS SOON AS POSSIBLE AND THOROUGHLY FLUSH AFFECTED AREAS WITH COOL WATER. CHEMICAL PROTECTIVE GLOVES ARE RECOMMENDED.

INHALATION/SUITABLE RESPIRATOR::

RESPIRATORY PROTECTION RECOMMENDED. FOLLOW OSHA RESPIRATOR REGULATIONS (29 CFR 1910.134) AND USE NIOSH/MSHA APPROVED RESPIRATORS. PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS AGAINST EXPOSURE TO ANY HAZARDOUS CHEMICAL IS LIMITED. USE A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS ANY POTENTIAL FOR UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE UNKNOWN, OR ANY OTHER CIRCUMSTANCE WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION.

PRECAUTIONARY MEASURES:

AVOID EYE CONTACT. AVOID SKIN CONTACT. AVOID BREATHING VAPOR, MIST, DUST, OR FUMES. KEEP CONTAINER CLOSED. DO NOT TAKE INTERNALLY. USE REASONABLE CARE.

COMMENTS:

PRODUCT EVOLVES METHYL ETHYL KETOXIME (MEKO) WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL METHYL ETHYL KETOXIME (MEKO) WITHIN EXPOSURE GUIDELINES OR USE RESPIRATORY PROTECTION.

NOTE:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: PASTE

COLOR: COLORLESS

ODOR: SOME ODOR

SPECIFIC GRAVITY @ 25 DEG. C: 1.04

VISCOSITY: NOT DETERMINED.

FREEZING/MELTING POINT: NOT DETERMINED.

BOILING POINT: NOT DETERMINED.

VAPOR PRESSURE @ 25 DEG. C: NOT DETERMINED.

VAPOR DENSITY: NOT DETERMINED.

SOLUBILITY IN WATER: NOT DETERMINED.

PH: NOT DETERMINED.

VOLATILE CONTENT: NOT DETERMINED.

FLASH POINT: NOT APPLICABLE.

AUTOIGNITION TEMPERATURE: NOT DETERMINED.

FLAMMABILITY LIMITS IN AIR: NOT DETERMINED.

NOTE:

THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT SPECIFICATIONS.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE.

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

CONDITIONS TO AVOID: NONE.

MATERIALS TO AVOID:

OXIDIZING MATERIAL CAN CAUSE A REACTION. WATER, MOISTURE, OR HUMID AIR CAN CAUSE HAZARDOUS VAPORS TO FORM AS DESCRIBED IN SECTION 8.

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL BREAKDOWN OF THIS PRODUCT DURING FIRE OR VERY HIGH HEAT CONDITIONS MAY EVOLVE THE FOLLOWING DECOMPOSITION PRODUCTS:

CARBON OXIDES AND TRACES OF INCOMPLETELY BURNED CARBON COMPOUNDS. SILICON DIOXIDE. FORMALDEHYDE. NITROGEN OXIDES. METAL OXIDES.

11. TOXICOLOGICAL INFORMATION

COMPONENT TOXICOLOGY INFORMATION:

METHYL ETHYL KETOXIME (MEKO) IS FORMED UPON CONTACT WITH WATER OR HUMID AIR. MALE RODENTS EXPOSED TO MEKO VAPOR THROUGHOUT THEIR LIFETIME DEVELOPED LIVER CANCER. ADDITIONAL TESTING IS PLANNED BY THE MEKO SUPPLIER TO DETERMINE ANY RELEVANCE TO HUMANS. UNTIL MORE DATA IS KNOWN, EXPOSURE LEVELS SHOULD BE MAINTAINED AS LOW AS ACHIEVABLE.

SPECIAL HAZARD INFORMATION ON COMPONENTS:

SENSITIZERS:

CAS NUMBER	WT %	COMPONENT NAME	POSSIBLE SKIN SENSITIZER.
22984-54-9	3.0 - 7.0	METHYL TRI (ETHYLMETHYLKETOXIME) SILANE	

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION:

AIR:

THIS PRODUCT IS A SOLID CONSISTING OF A HIGH MOLECULAR WEIGHT SILICONE

POLYMER AND OTHER SOLID MATERIALS. UNLESS MILLED TO PRODUCE A DUST OR PARTICLES, IT IS UNLIKELY TO GIVE RISE TO ATMOSPHERIC CONTAMINATION.

WATER:

THIS PRODUCT IS A SOLID WHICH IS COMPLETELY INSOLUBLE IN WATER. AS THE SPECIFIC GRAVITY IS >1, IT WILL SINK TO THE BOTTOM OF THE WATER COURSE.

SOIL:

THIS PRODUCT WILL ENTER THE TERRESTRIAL ENVIRONMENT IF, AS A COMPONENT OF MUNICIPAL OR INDUSTRIAL SOLID WASTE THE PRODUCT IS LANDFILLED. IT IS UNLIKELY THAT FURTHER SIGNIFICANT TRANSFORMATION OF THE PRODUCT WILL OCCUR.

DEGRADATION:

HIGH MOLECULAR WEIGHT POLYMER WHICH IS AMENABLE TO RECYCLING. THE PRODUCT IS NOT BIODEGRADABLE. THE PRODUCT IS REMOVED >80% DURING THE SEWAGE TREATMENT PROCESS.

ENVIRONMENTAL EFFECTS:

TOXICITY TO WATER ORGANISMS:

THIS PRODUCT HAS LOW WATER SOLUBILITY AND SHOULD NOT PRESENT A RISK TO AQUATIC ORGANISMS.

TOXICITY TO SOIL ORGANISMS:

THIS PRODUCT IS A SOLID AND DOES NOT CONTAIN SIGNIFICANT CONCENTRATIONS OF WATER SOLUBLE CONSTITUENTS THAT MAY BE LEACHED FROM THE PRODUCT. IT IS THEREFORE NOT LIKELY TO PRESENT A DANGER TO TERRESTRIAL ORGANISMS.

BIOACCUMULATION:

THIS PRODUCT IS A SOLID WHICH IS NOT SOLUBLE IN WATER AND IF INGESTED WILL NOT BE ABSORBED.

FATE AND EFFECTS IN WASTE WATER TREATMENT PLANTS:

THIS PRODUCT IS A SOLID RUBBER TYPE MATERIAL WHICH IS UNLIKELY TO HAVE ANY ADVERSE EFFECT ON BACTERIA.

ECOTOXICITY CLASSIFICATION CRITERIA:

HAZARD PARAMETERS (LC50 OR EC50)	HIGH	MEDIUM	LOW
ACUTE AQUATIC TOXICITY (MG/L)	</=1	>1 AND </=100	>100
ACUTE TERRESTRIAL TOXICITY	</=100	>100 AND </=2000	>2000

THIS TABLE IS ADAPTED FROM "ENVIRONMENTAL TOXICOLOGY AND RISK ASSESSMENT", ASIM STP 1179, P.34, 1993.

THIS TABLE CAN BE USED TO CLASSIFY THE ECOTOXICITY OF THIS PRODUCT WHEN ECOTOXICITY DATA IS LISTED ABOVE. PLEASE READ THE OTHER INFORMATION PRESENTED IN THE SECTION CONCERNING THE OVERALL ECOLOGICAL SAFETY OF THIS MATERIAL.

13. DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261):

WHEN A DECISION IS MADE TO DISCARD THIS MATERIAL, AS RECEIVED, IS IT CLASSIFIED AS A HAZARDOUS WASTE?: NO

STATE OR LOCAL LAWS MAY IMPOSE ADDITIONAL REGULATORY REQUIREMENTS REGARDING DISPOSAL. CALL (989) 496-6315, IF ADDITIONAL INFORMATION IS REQUIRED.

14. TRANSPORT INFORMATION

DOT ROAD SHIPMENT INFORMATION (49 CFR 172.101): NOT SUBJECT TO DOT.

OCEAN SHIPMENT (IMDG): NOT SUBJECT TO IMDG CODE.

AIR SHIPMENT (IATA): NOT SUBJECT TO IATA REGULATIONS.

CALL DOW CORNING TRANSPORTATION, (989) 496-8577, IF ADDITIONAL INFORMATION IS REQUIRED.

15. REGULATORY INFORMATION

CONTENTS OF THIS MSDS COMPLY WITH THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

TSCA STATUS:

ALL CHEMICAL SUBSTANCES IN THIS MATERIAL ARE INCLUDED ON OR EXEMPTED FROM LISTING ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): NONE.

SECTION 304 CERCLA HAZARDOUS SUBSTANCES (40 CFR 302): NONE.

SECTION 311/312 HAZARD CLASS (40 CFR 370):

ACUTE: YES

CHRONIC: YES

FIRE: NO

PRESSURE: NO

REACTIVE: NO

SECTION 313 TOXIC CHEMICALS (40 CFR 372):

NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

NOTE:

CHEMICALS ARE LISTED UNDER THE 313 TOXIC CHEMICALS SECTION ONLY IF THEY MEET OR EXCEED A REPORTING THRESHOLD.

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

CALIFORNIA:

WARNING:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED BY THE STATE OF CALIFORNIA UNDER THE SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65) AS BEING KNOWN TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

NONE KNOWN.

MASSACHUSETTS:

CAS NUMBER	WT %	COMPONENT NAME
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7631-86-9	7.0 - 13.0	SILICA, AMORPHOUS
58-36-6	<0.1	10,10-OXYDIPHENOXARSINE

NEW JERSEY:

CAS NUMBER	WT %	COMPONENT NAME
70131-67-8	>60.0	DIMETHYL SILOXANE, HYDROXY-TERMINATED
7631-86-9	7.0 - 13.0	SILICA, AMORPHOUS
22984-54-9	3.0 - 7.0	METHYL TRI(ETHYLMETHYLBKETOXIME) SILANE
63148-62-9	1.0 - 5.0	POLYDIMETHYLSILOXANE

PENNSYLVANIA:

CAS NUMBER	WT %	COMPONENT NAME
70131-67-8	>60.0	DIMETHYL SILOXANE, HYDROXY-TERMINATED
7631-86-9	7.0 - 13.0	SILICA, AMORPHOUS
22984-54-9	3.0 - 7.0	METHYL TRI(ETHYLMETHYLBKETOXIME) SILANE

16. OTHER INFORMATION

PREPARED BY: DOW CORNING CORPORATION

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATIONS. 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.

XIAMETER(R) IS A TRADEMARK OF DOW CORNING CORPORATION

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