

3249  
BLUE GLOBE

ITEM: 4KM22 - Adhesive/Sealant

ORDER: 0031160321

LP NUMBER: UCN9187315

MSDS: A7400

MATERIAL SAFETY DATA SHEET (MSDS)

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

##### MODERATELY TOXIC BY INGESTION. NOT EXPECTED UNDER NORMAL CONDITIONS OF USE. #####

MATERIAL SAFETY DATA SHEET - A7400

Associated Grainger Items  
4KM22, 4KM23

LOCTITE(R\*)

MATERIAL SAFETY DATA SHEET

HENKEL TECHNOLOGIES

REVISION DATE: 03/25/2005

ISSUE DATE: 03/25/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:  
LOCTITE(R) 587 BLUE HIGH PERFORMANCE RTV SILICONE GASKET MAKER

ITEM NO.: 58775

PRODUCT TYPE: SILICONE SEALANT

REGION: UNITED STATES

COMPANY ADDRESS:  
HENKEL CORPORATION  
1001 TROUT BROOK CROSSING  
ROCKY HILL, CONNECTICUT 06067

CONTACT INFORMATION:  
TELEPHONE: 860.571.5100  
EMERGENCY TELEPHONE: 860.571.5100

INTERNET: WWW.LOCTITE.COM

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	%	ACGIH TLV	OSHA PEL	OTHER
CALCIUM CARBONATE 1317-65-3	30-60	10 MG/M3 TWA (PARTICULATE MATTER CONTAINING NO ASBESTOS AND <1% CRYSTALLINE SILICA)	15 MG/M3 TWA TOTAL DUST 5 MG/M3 TWA RESPIRABLE FRACTION	NONE
VINYL OXIMINO SILANE 2224-33-1	1-5	NONE	NONE	NONE
METHYL ETHYL KETOXIME 96-29-7	0.1-1	NONE	NONE	NONE
SILICA, QUARTZ 14808-60-7	0.1-1	0.05 MG/M3 TWA RESPIRABLE FRACTION	0.1 MG/M3 TWA (RESPIRABLE)	NONE
METHANOL 67-56-1	0-0.1	200 PPM TWA 250 PPM STEL (SKIN)	200 PPM TWA 260 MG/M3 TWA	NONE

NON HAZARDOUS COMPONENTS: SILICONE RESINS 30-50%

EXPOSURE TO MOISTURE DURING CURE WILL RELEASE 0.1 - 0.9% METHYL ALCOHOL.  
METHYL ETHYL KETOXIME (MEKO) IS FORMED DURING CURE. THIS PRODUCT WILL  
RELEASE UP TO 5% MEKO.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

PHYSICAL STATE: PASTE

COLOR: BLUE

ODOR: MILD PETROLEUM

CAUTION: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

HMS:  
HEALTH 2\*  
FLAMMABILITY 1  
PHYSICAL HAZARD 0  
PERSONAL PROTECTION SEE SECTION 8

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, EYES, INGESTION

POTENTIAL HEALTH EFFECTS:

INHALATION:  
VAPORS AND MIST IRRITATE THE RESPIRATORY TRACT AND NASAL PASSAGES. WHEN  
HEATED TO TEMPERATURES EXCEEDING 300 DEG. F (150 DEG. C) IN THE PRESENCE OF  
AIR, SILICONES MAY FORM FORMALDEHYDE VAPORS. FORMALDEHYDE IS A POTENTIAL  
CANCER HAZARD AND A KNOWN SKIN AND RESPIRATORY SENSITIZER. VAPORS IRRITATE  
THE EYES, NOSE AND THROAT. SAFE HANDLING CONDITIONS MAY BE MAINTAINED BY  
KEEPING FORMALDEHYDE VAPOR CONCENTRATIONS BELOW THE OSHA PERMISSIBLE LIMIT.  
THE SILANE IS A SKIN AND EYE IRRITANT AND MAY CAUSE SKIN BURNS.  
OVEREXPOSURE MAY CAUSE COMA AND RESPIRATORY FAILURE. THE LOW CONCENTRATION  
MAKES SUCH OVEREXPOSURE UNLIKELY AND MINIMIZES ITS AFFECT ON HEALTH AND  
SAFETY.

SKIN CONTACT: MAY CAUSE SKIN IRRITATION WITH DISCOMFORT OR RASH.

EYE CONTACT:  
VAPORS MAY IRRITATE EYES. CONTACT WITH EYES WILL CAUSE IRRITATION.

INGESTION:

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: SKIN DISORDERS.  
SEE SECTION 11 FOR ADDITIONAL TOXICOLOGICAL INFORMATION.

4. FIRST AID MEASURES

INHALATION:  
REMOVE TO FRESH AIR. IF DISCOMFORT PERSISTS SEEK MEDICAL ATTENTION.

SKIN CONTACT:  
WIPE OFF PASTE WITH PAPER TOWEL OR CLOTH. WASH WITH SOAP AND WATER.

EYE CONTACT:  
RINSE IMMEDIATELY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS, FOR AT  
LEAST 15 MINUTES. GET MEDICAL ATTENTION.

INGESTION:  
DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION.

5. FIRE-FIGHTING MEASURES

FLASH POINT: GREATER THAN 93 DEG. C (200 DEG. F) TAGLIABUE CLOSED CUP

AUTOIGNITION TEMPERATURE: NOT AVAILABLE

FLAMMABLE/EXPLOSIVE LIMITS-LOWER %: NOT AVAILABLE  
FLAMMABLE/EXPLOSIVE LIMITS-UPPER %: NOT AVAILABLE

EXTINGUISHING MEDIA: CARBON DIOXIDE (CO2). FOAM. DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE

HAZARDOUS COMBUSTION PRODUCTS: FORMALDEHYDE. SILICA FUME.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS:  
DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM.

CLEAN-UP METHODS:  
SCRAPE UP AS MUCH MATERIAL AS POSSIBLE. MAINTAIN GOOD VENTILATION FOR LARGE  
SPILLS. PLACE SCRAP MATERIAL IN A WELL VENTILATED AREA AND ALLOW TO CURE TO  
RUBBER.

7. HANDLING AND STORAGE

HANDLING:  
AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR AND MIST.  
WASH THOROUGHLY AFTER HANDLING. DO NOT WEAR CONTACT LENSES.

STORAGE:  
KEEP CONTAINER CLOSED. STORE AT OR BELOW 32 DEG. C (90 DEG. F).

INCOMPATIBLE PRODUCTS:  
NEVER ALLOW PRODUCT TO GET IN CONTACT WITH WATER DURING STORAGE.

FOR INFORMATION ON PRODUCT SHELF LIFE CONTACT HENKEL CUSTOMER SERVICE AT  
(800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:  
USE LOCAL EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW  
ESTABLISHED EXPOSURE LIMITS.

RESPIRATORY PROTECTION:  
USE A NIOSH APPROVED AIR-PURIFYING RESPIRATOR IF THE POTENTIAL TO EXCEED  
ESTABLISHED EXPOSURE LIMITS EXISTS.

SKIN PROTECTION:  
CHEMICAL RESISTANT, IMPERMEABLE GLOVES. IMPERVIOUS CLOTHING

EYE/FACE PROTECTION: SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

SEE SECTION 2 FOR EXPOSURE LIMITS.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: PASTE

COLOR: BLUE

ODOR: MILD PETROLEUM

VAPOR PRESSURE: <5 MMHg @ 20 DEG. C (68 DEG. F)

pH: NOT APPLICABLE

BOILING POINT/RANGE: NOT AVAILABLE

MELTING POINT/RANGE: NOT AVAILABLE

SPECIFIC GRAVITY: 1.31 AT 20 DEG. C

VAPOR DENSITY: NOT AVAILABLE

EVAPORATION RATE: NOT AVAILABLE

SOLUBILITY IN WATER: POLYMERIZES IN PRESENCE OF WATER

PARTITION COEFFICIENT (n-OCTANOL/WATER): NOT AVAILABLE

VOC CONTENT:  
3.9%  
50.7 GRAMS/LITER

#### 10. STABILITY AND REACTIVITY

STABILITY: STABLE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.  
HAZARDOUS DECOMPOSITION PRODUCTS: METHYL ETHYL KETOXIME FORMED DURING CURE.  
INCOMPATIBILITY: POLYMERIZES ON CONTACT WITH WATER.  
CONDITIONS TO AVOID: MOISTURE.

#### 11. TOXICOLOGICAL INFORMATION

CARCINOGEN STATUS:

HAZARDOUS COMPONENTS	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN
CALCIUM CARBONATE 1317-65-3	NO	NO	NO
VINYL OXIMINO SILANE 2224-33-1	NO	NO	NO
METHYL ETHYL KETOXIME 96-29-7	NO	NO	NO
SILICA, QUARTZ 14808-60-7	KNOWN CARCINOGEN	GROUP 1	YES
METHANOL 67-56-1	NO	NO	NO

LITERATURE REFERENCED TARGET ORGAN & OTHER HEALTH EFFECTS:

HAZARDOUS COMPONENTS	HEALTH EFFECTS/TARGET ORGANS
CALCIUM CARBONATE 1317-65-3	NUISANCE DUST
VINYL OXIMINO SILANE 2224-33-1	ALLERGEN, IRRITANT
METHYL ETHYL KETOXIME 96-29-7	ALLERGEN, BLOOD, CENTRAL NERVOUS SYSTEM, EYES, IRRITANT, SOME EVIDENCE OF CARCINOGENICITY
SILICA, QUARTZ 14808-60-7	SOME EVIDENCE OF CARCINOGENICITY, LUNG, IMMUNE SYSTEM
METHANOL 67-56-1	EYES, HEART, IRRITANT, KIDNEY, LIVER, METABOLIC, NERVOUS SYSTEM, REPRODUCTIVE

#### 12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:  
NO SPECIFIC STUDIES HAVE BEEN CONDUCTED BY HENKEL ON THE ECOTOXICITY OR ENVIRONMENTAL FATE OF THIS MATERIAL; HOWEVER, COMMONLY AVAILABLE DATA ON THE MATERIAL INDICATE THAT UNCONTROLLED RELEASES TO SOIL, GROUNDWATER, OR SURFACE WATERS COULD ENTAIL ACUTE AND/OR CHRONIC ECOLOGICAL EFFECTS, DEPENDING ON THE QUANTITY AND CONCENTRATION OF SUCH RELEASES. RELEASES OF VOLATILE COMPONENTS TO THE ATMOSPHERE ARE NOT BELIEVED TO ENTAIL SIGNIFICANT ECOLOGICAL CONSEQUENCES PROVIDED SUCH RELEASES ARE WITHIN THE EXPOSURE LEVELS SET FORTH IN THIS DOCUMENT. ACCORDINGLY, ALL APPROPRIATE MEASURES SHOULD BE TAKEN TO AVOID UNCONTROLLED RELEASES TO THE ENVIRONMENT, AND ANY SPILLS OR OTHER UNCONTROLLED RELEASES WHICH MAY OCCUR SHOULD BE CONTAINED AND CLEANED UP IMMEDIATELY IN ACCORDANCE WITH SECTION 6.

#### 13. DISPOSAL CONSIDERATIONS

INFORMATION PROVIDED IS FOR UNUSED PRODUCT ONLY.  
RECOMMENDED METHOD OF DISPOSAL:  
CURED RUBBER CAN BE INCINERATED OR LANDFILLED FOLLOWING EPA AND LOCAL REGULATIONS.  
EPA HAZARDOUS WASTE NUMBER: NOT A RCRA HAZARDOUS WASTE.

#### 14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION GROUND (49 CFR):  
PROPER SHIPPING NAME: UNRESTRICTED  
HAZARD CLASS OR DIVISION: NONE  
IDENTIFICATION NUMBER: NONE  
PACKING GROUP: NONE

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):  
PROPER SHIPPING NAME: UNRESTRICTED  
HAZARD CLASS OR DIVISION: NONE  
IDENTIFICATION NUMBER: NONE  
PACKING GROUP: NONE

WATER TRANSPORTATION (IMO/IMDG):  
PROPER SHIPPING NAME: UNRESTRICTED  
HAZARD CLASS OR DIVISION: NONE  
IDENTIFICATION NUMBER: NONE  
PACKING GROUP: NONE  
EXCEPTIONS: NONE  
MARINE POLLUTANT: NONE

#### 15. REGULATORY INFORMATION

UNITED STATES REGULATORY INFORMATION:  
TSCA 8 (B) INVENTORY STATUS:  
ALL COMPONENTS ARE LISTED OR ARE EXEMPT FROM LISTING ON THE TOXIC SUBSTANCES CONTROL ACT INVENTORY.  
TSCA 12 (B) EXPORT NOTIFICATION: METHYL ETHYL KETOXIME (CAS# 96-29-7).

CERCLA/SARA SECTION 302 EHS: NONE.

CERCLA/SARA SECTION 311/312: NONE.

CERCLA/SARA 313: NONE.

CALIFORNIA PROPOSITION 65:  
THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.  
TOLUENE (CAS# 108-88-3). <1 PPM.

CANADA REGULATORY INFORMATION:

CEPA DSL/NDSL STATUS:  
ALL COMPONENTS ARE LISTED ON OR ARE EXEMPT FROM LISTING ON THE DOMESTIC SUBSTANCES LIST.

WHMIS HAZARD CLASS:  
D.2.A  
D.2.B

#### 16. OTHER INFORMATION

THIS MATERIAL SAFETY DATA SHEET CONTAINS CHANGES FROM THE PREVIOUS VERSION IN SECTIONS: NEW MATERIAL SAFETY DATA SHEET FORMAT.

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