

ITEM: 6D914 - VALVE CHECK

PICK_REQ: 1102440099

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: A5517

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

***** SAFETY DATA SHEET - A5517 *****

Ass. dted Grainger Item: 6D914 - VALVE CHECK

HENKEL LOCTITE CORPORATION
ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

10/28/02

MATERIAL SAFETY DATA SHEET

LOCTITE(R) VIBRA-SEAL(R) 516

25666

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LOCTITE(R) VIBRA-SEAL(R) 516 PRE-APPLIED SEALANT

ITEM NO.: 25666

PRODUCT TYPE: SEALANT

2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO.	%
WATER	7732-18-5	55-60
ACRYLIC POLYMER	PROPRIETARY	15-20
MICA	1318-94-1	5-10
POLY(ETHYLENE)	9002-88-4	5-10
IRON OXIDE	1309-37-1	3-5
POLY(TETRAFLUOROETHYLENE)	9002-84-0	3-5
TITANIUM DIOXIDE	13463-67-7	1-3
AMMONIUM HYDROXIDE	1336-21-6	0.1-1
SODIUM NITRITE*	7632-00-0	0.1-1

* THIS COMPONENT IS LISTED AS A SARA SECTION 313 TOXIC CHEMICAL.

THE ACRYLIC POLYMER IS REGISTERED WITH THE STATE OF NEW JERSEY AS A TRADE
SEC NJ TSN 06-070-1067-5226P.

INGREDIENTS WHICH HAVE EXPOSURE LIMITS:

EXPOSURE LIMITS (TWA)	ACGIH (TLV)	OSHA (PEL)	OTHER
MICA	3 MG/M3 TWA	20 MPPCF	NONE
IRON OXIDE	5 MG/M3 (Fe)	10 MG/M3 (Fe) PARTICULATE	NONE
POLY(TETRAFLUOROETHYLENE)	NONE	NONE	AEL (DUPONT) 5 MG/M3 8HR DUST
TITANIUM DIOXIDE	10 MG/M3	15 MG/M3 TOTAL DUST	NONE
AMMONIUM HYDROXIDE	25 PPM(AMMONIA)	50 PPM(AMMONIA)	NONE
SODIUM NITRITE	NONE	NONE	AEL (DUPONT) 2MG/M3 8HR DUST
EXPOSURE LIMITS (STEL)	ACGIH (TLV)	OSHA (PEL)	
AMMONIUM HYDROXIDE	35 PPM (AMMONIA)	NONE	

3. HAZARDS IDENTIFICATION

TOXICITY:
MAY IRRITATE EYES, SKIN, NOSE, THROAT AND LUNGS.
ESTIMATED ORAL LD50 GREATER THAN 5000 MG/KG.
ESTIMATED DERMAL LD50 GREATER THAN 2000 MG/KG.

PRIMARY ROUTES OF ENTRY: INHALATION, INGESTION, CONTACT.

SIGNS AND SYMPTOMS OF EXPOSURE:
IRRITATION OF EYES, SKIN, NOSE, THROAT, OR LUNGS.EXISTING CONDITIONS AGGRAVATED BY EXPOSURE:
AMMONIUM HYDROXIDE: SKIN AND RESPIRATORY DISORDERS
MICA: RESPIRATORY DISORDERS

INGREDIENTS	LITERATURE REFERENCED TARGET ORGAN AND OTHER HEALTH EFFECTS	NTP	CARCINOGEN IARC	OSHA
WATER	NTD	NO	NO	NO
ACRYLIC POLYMER	NO DATA	NO	NO	NO
MICA	LUN	NO	NO	NO
POLY(ETHYLENE)	NTD	NO	N/A	NO
IRON OXIDE	ALG CAR CNS IRR	NO	N/A	NO

KID LIV LUN

POLY(TETRAFLUOROETHYLENE)	NTD	NO	N/A	NO
TITANIUM DIOXIDE	IRR RES	NO	NO	NO
AMMONIUM HYDROXIDE	COR IRR	NO	NO	NO
SODIUM NITRITE	BLO CNS MUT VAS	NO	NO	NO

ABBREVIATIONS:
N/A: NOT APPLICABLE
BLO: BLOOD
CNS: CENTRAL NERVOUS SYSTEM
IRR: IRRITANT
LIV: LIVER
MUT: MUTAGEN
RES: RESPIRATORY
ALG: ALLERGEN
CAR: CARDIAC
COR: CORROSIVE
KID: KIDNEY
LUN: LUNG
NTD: NO TARGET ORGANS
VAS: VASCULAR

4. FIRST AID MEASURES

INGESTION:
DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION.INHALATION:
REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, OBTAIN MEDICAL ATTENTION.

SKIN CONTACT: WASH WITH SOAP AND WATER.

EYE CONTACT:
FLUSH AT LEAST 15 MINUTES WITH WATER. OBTAIN MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

FLASH POINT: AQUEOUS
METHOD: DOES NOT APPLYRECOMMENDED EXTINGUISHING AGENTS:
USE THE TYPE SUITABLE FOR SURROUNDING FIRE.

SPECIAL FIREFIGHTING PROCEDURES: NOT AVAILABLE

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMP:
ACRYLIC MONOMERS. AT FLAME TEMPERATURES, TRACES OF TOXIC FLUORIDES AND
HYDROGEN CYANIDE MAY BE FORMED.

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE

EXPLOSIVE LIMITS:

(% BY VOLUME IN AIR) LOWER:
16% (AMMONIA) AMMONIUM HYDROXIDE
2.6% FERRIC OXIDE(% BY VOLUME IN AIR) UPPER:
25% (AMMONIA) AMMONIUM HYDROXIDE
12.5% FERRIC OXIDE

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:
SCRAPE UP AS MUCH AS POSSIBLE AND CLEAN THE RESIDUE PROMPTLY WITH SOAP AND
WATER.

7. HANDLING AND STORAGE

SAFESTORAGE: STORE BELOW 100 DEG. F. PROTECT FROM FREEZING.

(CONTACT LOCTITE CUSTOMER SERVICE 1-800-243-4874 FOR SHELF LIFE
INFORMATION)HANDLING:
AVOID PROLONGED SKIN CONTACT. KEEP AWAY FROM EYES.
AVOID PROLONGED BREATHING OF VAPORS.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

EYES: SAFETY GLASSES OR GOGGLES.

SKIN: RUBBER OR PLASTIC GLOVES.

VENTILATION: SUFFICIENT TO MAINTAIN VAPOR CONCENTRATION BELOW TLV.

RESPIRATORY:
USE NOT APPLY. NIOSH/MSHA APPROVED HALF-MASK AIR-PURIFYING RESPIRATOR WITH
AMMONIA/METHYLAMINE CARTRIDGE IF VAPOR CONCENTRATION EXCEEDS TLV.

SEE SECTION 2 FOR EXPOSURE LIMITS.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: BROWN DISPERSION

ODOR: AMMONIA

BOILING POINT: APPROXIMATELY 212 DEG. F

pH: 9.5

SOLUBILITY IN WATER: AQUEOUS
SPECIFIC GRAVITY: 1.1442
VOLATILE ORGANIC COMPOUND (EPA METHOD 24):
3.06%; 35.0 GRAMS PER LITER OF MATERIAL
VAPOR PRESSURE: APPROXIMATELY 20 MM HG
VAPOR DENSITY: LESS THAN 1
EVAPORATION RATE (ETHER=1): NOT AVAILABLE

10. STABILITY AND REACTIVITY

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
INCOMPATIBILITY: ACIDS
CONDITIONS TO AVOID: NOT AVAILABLE
HAZARDOUS DECOMPOSITION PRODUCTS (NON-THERMAL): NONE

11. TOXICOLOGICAL INFORMATION

SEE SECTION 3.

12. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

13. DISPOSAL CONSIDERATIONS

RECOMMENDED METHODS OF DISPOSAL:
INCINERATE FOLLOWING EPA AND LOCAL REGULATIONS.

EPA HAZARDOUS WASTE NUMBER:
NH - NOT A RCRA HAZARDOUS WASTE MATERIAL

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172):
DOMESTIC GROUND TRANSPORT:
PROPER SHIPPING NAME: UNRESTRICTED
HAZARD CLASS OR DIVISION: UNRESTRICTED
IDENTIFICATION NUMBER: NONE
MARINE POLLUTANT: NONE

IATA:
PROPER SHIPPING NAME: UNRESTRICTED
CLASS OR DIVISION: UNRESTRICTED
UN OR ID NUMBER: NONE

15. REGULATORY INFORMATION

CA PROPOSITION 65:
WARNING:
THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE
CANCER. ETHYL ACRYLATE

16. OTHER INFORMATION

ESTIMATED NFPA(R) CODE:
HEALTH HAZARD: 1
FIRE HAZARD: 0
REACTIVITY HAZARD: 0
SPECIFIC HAZARD: DOES NOT APPLY

ESTIMATED HMIS(R) CODE:
HEALTH HAZARD: 1
FLAMMABILITY HAZARD: 0
REACTIVITY HAZARDS: 0
PERSONAL PROTECTION: SEE SECTION 8.

NFPA IS A REGISTERED TRADEMARK OF THE NATIONAL FIRE PROTECTION ASSN.
HMIS IS A REGISTERED TRADEMARK OF THE NATIONAL PAINT AND COATINGS ASSN.

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