

# SAFETY DATA SHEET

PRODUCT CODE: 102

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** V-SEAL 102  
**PRODUCT CODES:** 102  
**MANUFACTURER:** V-SEAL Concrete Sealers  
**STREET ADDRESS:** 9042 Cotter Street  
**CITY, STATE, ZIP:** Lewis Center, OH 43035  
**INFORMATION PHONE:** 614-754-4777  
**EMERGENCY PHONE:** Chemtrec 800-424-9300  
**FAX PHONE:** 614-754-4778  
**DATE REVISED:** 4-6-18  
**Chemical Name or Class:** Siliconate solution

## SECTION 2: HAZARDS IDENTIFICATION

### Hazard Overview

**GHS Classification:** Serious eye irritation: Category 1, Skin corrosion/irritation: Category 3 (Mild Irritant)

**GHS Label Elements and Precautionary Statements:**

**Label Elements:**



### Hazard Statements:

DANGER: H318 Causes serious eye damage

WARNING: H316 Causes mild skin irritation

### Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use  
P202 Do not handle until all safety precautions have been read and understood.  
P233 Keep container tightly closed.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash contacted areas thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Response:

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician.

P330 Rinse mouth.

P331 Do NOT induce vomiting.

P303 IF ON SKIN (or hair):

P361 Remove/Take off Immediately all contaminated clothing.

P353 Rinse SKIN with water/shower.

P363 Wash contaminated clothing before reuse.

P304 IF INHALED:

P310 Immediately call a POISON CENTER or doctor/physician.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P321 If skin irritation or burns develop, Call a doctor/physician .

P305 IF IN EYES:

P351 Rinse cautiously with water for several minutes.

P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 IF eye irritation persists: Get medical advice/attention

P306 IF ON CLOTHING:

P362: Take off contaminated clothing and wash before reuse.

### Storage:

P404 Store in a closed container.

P405 Store locked up.

### Disposal:

P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws

## HMIS HAZARD CLASSIFICATION

**HEALTH:** 2      **FLAMMIBILITY:** 1      **REACTIVITY:** 0      **PERSONAL PROTECTIVE EQUIPMENT:** G

## POTENTIAL HEALTH EFFECTS

**EYES:** DIRECT CONTACT CAN BURN EYES AND CAUSE POSSIBLE PERMANENT INJURY.

**SKIN:** CONTACT WITH SKIN CAN CAUSE BURNS OR IRRITATION.

**INGESTION:** CAN CAUSE BURNS TO THE MOUTH, THROAT OR DIGESTIVE SYSTEM IF SWALLOWED.

**INHALATION:** MIST MAY SERIOUSLY IRRITATE NOSE, THROAT, AND LUNGS DEPENDING ON CONCENTRATION AND DURATION OF EXPOSURE.

# SAFETY DATA SHEET

PRODUCT CODE: 102

**HEALTH HAZARDS (ACUTE AND CHRONIC):** CONTACT CAN CAUSE BURNS TO EYES OR SKIN. CONTACT CAN CAUSE IRRITATION.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** NONE KNOWN

**CARCINOGENICITY**

OSHA: NO                      NTP: NO                      IARC: NO  
NO COMPONENTS OF THIS PRODUCT ARE LISTED AS CARCINOGENS.

---

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

---

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	<u>WEIGHT %</u>
POTASSIUM METHYL SILICONATE/RESIN	31795-24-1	NONE	NONE	NONE	7.5-20

SECTION 3 NOTES: \*No toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

**Note:** Ingredients listed without percentages, the percentages are considered a trade secret.

---

## SECTION 4: FIRST AID MEASURES

---

**EYES:** IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION.

**SKIN:** FLUSH SKIN IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION IF NECESSARY.

**INGESTION:** DO NOT INDUCE VOMITING AND SEEK MEDICAL ATTENTION.

**INHALATION:** REMOVE TO FRESH AIR AREA AND RECEIVE MEDICAL ATTENTION IF ILL EFFECTS PERSIST.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** IN ALL CASES OF EXPOSURE, TREAT ACCORDING TO PERSON'S CONDITION AND SPECIFIC EFFECTS OF EXPOSURE.

---

## SECTION 5: FIRE-FIGHTING MEASURES

---

**FLAMMABLE LIMITS IN AIR,**                      **UPPER:** N/A  
**(% by volume)**                                      **LOWER:** N/A

**FLASH POINT:** >212 +F

**METHOD USED:** SETA FLASH

**EXTINGUISHING MEDIA:** FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

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

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE KNOWN

---

## SECTION 6: RELEASE MEASURES

---

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

WEAR THE APPROPRIATE SAFETY EQUIPMENT. DYKE MATERIAL AND TAKE UP REMAINDER WITH ABSORBANT TO SALVAGE CONTAINER.

---

## SECTION 7: HANDLING AND STORAGE

---

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

WEAR SUITABLE PROTECTIVE CLOTHING TO AVOID CONTACT WITH MATERIAL. WEAR NEOPRENE OR RUBBER GLOVES. WEAR SPLASH GOGGLES WITH SIDE SHIELDS. STORE AWAY FROM HIGH HEAT, CONTACT WITH FLAMES AND/OR SPARKS. KEEP MATERIAL IN SEALED CONTAINERS THAT ARE PROPERLY LABELED. DO NOT ALLOW MATERIAL TO FREEZE.

**OTHER PRECAUTIONS:**

USE GENERAL SAFETY PRECAUTIONS WHEN USING THIS MATERIAL. WASH HANDS BEFORE USING TOILET FACILITIES. REMOVE CONTAMINATED CLOTHING PROMPTLY. Keep out of the reach of children.

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**RESPIRATORY PROTECTION:**

USE A SUITABLE (NIOSH APPROVED ORGANIC VAPOR) RESPIRATOR UNLESS ADEQUATE VENTILLATION IS PROVIDED. AVOID THE INHALATION OF ANY MISTS THAT MAY BE GENERATED IN THE APPLICATION PROCESS.

**VENTILATION :**

PROVIDE FOR ADEQUATE GENERAL VENTILATION.

**PROTECTIVE GLOVES:**

IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.

**EYE PROTECTION:**

SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

PROVIDE NECESSARY CLOTHING AND SAFETY EQUIPMENT TO PREVENT CONTACT WITH MATERIAL.

**WORK HYGIENIC PRACTICES:**

TYPICAL HYGIENIC PRACTICES SHOULD BE EMPLOYED TO PREVENT EXPOSURE AND CONTACT TO MATERIAL.

SEE SECTION THREE FOR OCCPATONAL EXPOSURE LIMIT VALUES.

# SAFETY DATA SHEET

PRODUCT CODE: 102

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** TRANSPARENT WHITE LIQUID WITH SLIGHT ODOR

**BOILING POINT OR RANGE:** ° F - 212

**VAPOR DENSITY (AIR = 1):** N/A

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.1 – 1.3 at 20C

**EVAPORATION RATE:** Same as Water

**SOLUBILITY IN WATER:** Excellent

**VOLITILE ORGANIC COMPOUNDS:** 8 g/l

**Odor Threshold:** N/A

**pH:** 11.5

**Melting point/freezing point:** N/A

**Vapor Pressure:** 17.5 mm/Hg at 20C/68F Water

**Auto Ignition Temperature:** N/A

**Partition Coefficient: n-octanol/water:** N/A

**Decomposition Temperature:** N/A

## SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** STABLE

**CONDITIONS TO AVOID (STABILITY):** NONE KNOWN

**INCOMPATIBILITY (MATERIAL TO AVOID):** ACID, OXIDIZING MATERIALS.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** CARBON OXIDES AND TRACES OF INCOMPLETE CARBON COMPOUNDS, SILICON DIOXIDE (HIGH HEAT), METAL OXIDES AND FORMALDEHYDE. UNDER FIRE CONDITIONS ALKALINE FUMES AND SILICA MAY BE EMITTED.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

## SECTION 11: TOXICOLOGICAL INFORMATION

**Ingredient POTASIUUM METHYL SILICONATE:**

**Acute toxicity:** Not classified based on available information.

**Skin corrosion/irritation:** Species: Human, Result: Category 3 (Mild Irritant)

**Serious eye damage/eye irritation:** Species: Rabbit, Result: Category 1 (Causes Serious Eye Damage) Irreversible effects on the eye

Remarks: Based on test data from similar materials.

**Respiratory or skin sensitization**

**Skin sensitization:** Not classified based on available information.

**Respiratory sensitization:** Not classified based on available information.

**Germ cell mutagenicity:** Not classified based on available information.

**Carcinogenicity:** Not classified based on available information.

**Reproductive toxicity:** Not classified based on available information.

**STOT-single exposure:** Not classified based on available information.

**STOT-repeated exposure:** Not classified based on available information.

## SECTION 12: ECOLOGICAL INFORMATION

**Ingredient POTASSIUM METHYL SILICONATE:** no available data

## SECTION 13: WASTE DISPOSAL

**WASTE DISPOSAL METHOD:**

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

## SECTION 14: Transport Information

**DOT:** NOT REGULATED

**IMO/IMDG:** NOT REGULATED

# SAFETY DATA SHEET

PRODUCT CODE: 102

---

## SECTION 15: REGULATORY INFORMATION

---

### Ingredients: Potassium Methyl Silicate and Water

SARA 304 Extremely Hazardous Substances Reportable Quantity This material does not contain any components with a section 304 EHS RQ. SARA 311/312 Hazards : Acute Health Hazard SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. US State Regulations Pennsylvania Right To Know and New Jersey Right to Know: Water CAS# 7732-18-5 50, Potassium methyl silicate CAS# 31795-24-1. The ingredients of this product are reported in the following inventories: KECI : All ingredients listed, exempt or notified. REACH : All ingredients (pre-)registered or exempt. TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances. AICS : All ingredients listed or exempt. IECSC : All ingredients listed or exempt. PICCS : All ingredients listed or exempt. DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL). ENCS/ISHL : All components are listed on ENCS/ISHL or exempted from inventory listing. NZIoC : All ingredients listed or exempt. Inventories AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA).

---

## SECTION 16: OTHER INFORMATION

---

**DISCLAIMER:** THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE AND IS BELIEVED TO BE ACCURATE, HOWEVER, THE MANUFACTURER MAKES NO WARRANTY EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF. ACCORDINGLY, WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THIS PRODUCT.

**N/A = Not Available**

**See Section 1 for date of preparation**