

# SAFETY DATA SHEET

PRODUCT CODE: 101

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: V-SEAL 101  
PRODUCT CODES: 101

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: 5/15/15

Chemical Name or Class: Siliconate solution

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## SECTION 2: HAZARDS IDENTIFICATION

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### Hazard Overview

**GHS Classification:** Serious eye irritation category 1, Skin corrosion/irritation category 1C

**Label Elements:** Corrosion

**GHS Label Elements and Precautionary Statements:**

**Hazard Statements:**

Danger: Causes severe skin burns and eye damage

Danger: Causes serious eye damage

Precautionary statements:

P102 Keep out of reach of children.

P103 Read label before use

P260 Do not breathe dust/fume/gas/mist/vapours/spray P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P363 Wash contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P310 Immediately call a POISON CENTER or doctor/physician.

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

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

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.**

**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.**

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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<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	31795-24-1	NONE	NONE	NONE	7.5-20

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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.

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## SECTION 4: FIRST AID MEASURES

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### 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.

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## SECTION 5: FIRE-FIGHTING MEASURES

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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

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## SECTION 6: RELEASE MEASURES

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### 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.

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## SECTION 7: HANDLING AND STORAGE

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### 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.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 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 HYGENIC PRACTICES SHOULD BE EMPLOYED TO PREVENT EXPOSURE AND CONTACT TO MATERIAL.

SEE SECTION THREE FOR OCCPATONAL EXPOSURE LIMIT VALUES.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE AND ODOR:** TRANSPARENT 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:** 0 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

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## SECTION 10: STABILITY AND REACTIVITY

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**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**

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**Ingredient POTASSIUM METHYL SILICONATE:**

Acute toxicity Not classified based on available information.

Skin corrosion/irritation: Species: Rabbit Result: Corrosive after 3 minutes or less of exposure Remarks: Based on data from similar materials.

Serious eye damage/eye irritation: Species: Rabbit Result: Irreversible effects on the eye Remarks: Based on test data.

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.

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## SECTION 12: ECOLOGICAL INFORMATION

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

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## SECTION 13: WASTE DISPOSAL

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**WASTE DISPOSAL METHOD:**

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

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## SECTION 14: Transport Information

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**DOT:** UN1760, CORROSIVE LIQUID N.O.S. (CONTAINS POTASSIUM METHYL SILICONATE), 8, PG III

**IMO/IMDG:** UN1760, CORROSIVE LIQUID N.O.S. (CONTAINS POTASSIUM METHYL SILICONATE), 8, PG III

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## SECTION 15: REGULATORY INFORMATION

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**Ingredients Postassium Methyl Siliconate and Water:**

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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, Sodium 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).

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## SECTION 12: OTHER INFORMATION

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**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**