SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>VAPOR LOCK™ 0/0</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT USE</td>
<td>A ready to use water-based penetrating sealer for concrete for sealing, hardening, dust-proofing, waterproofing and weatherproofing.</td>
</tr>
<tr>
<td>MANUFACTURER’S NAME</td>
<td>SPECIALTY PRODUCTS GROUP SPG</td>
</tr>
<tr>
<td>TEL</td>
<td>1-877-957-4626</td>
</tr>
<tr>
<td>SPECIALTY PRODUCTS GROUP 6254 SKYWAY RD., PO BOX 915 SMITHVILLE, ON. L0R 2A0</td>
<td></td>
</tr>
<tr>
<td>FAX</td>
<td>905-527-0606</td>
</tr>
<tr>
<td>3909 Witmer RD, Suite 1014 NIAGARA FALLS, NY 14305</td>
<td></td>
</tr>
<tr>
<td>EMERGENCY NUMBER</td>
<td>613-996-6666 OR *666 CANUTEC 1-800-535-5053 UNITED STATES POISON INFORMATION CENTRE</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

ROUTE OF ENTRY
Eye contact, Ingestion, Inhalation, Skin contact.

CARCINOGENIC STATUS
Not considered carcinogenic by NTP, IARC, and OSHA.

TARGET ORGANS
Eye, Skin, and lungs

HEALTH EFFECTS – EYE
Moderate irritation expected

HEALTH EFFECTS – SKIN
Moderate irritation expected.

HEALTH EFFECTS – INGESTION
May cause irritation to the mouth, esophagus and stomach and damage to kidney (chronic ingestion)

HEALTH EFFECTS – INHALATION
Spray mist is irritating to the respiratory system.

NFPA HMIS
5-MINIMAL; 4-SLIGHT; 3-MODERATE; 2-HIGH; 1-EXTREME

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are proprietary

4. FIRST AID MEASURES

FIRST AID – INHALATION
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

FIRST AID – SKIN
Immediately flood the skin with large quantities of water. Remove contaminated clothing and shoes. Obtain medical attention.

FIRST AID – EYE
Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention.

FIRST AID – INGESTION
If swallowed, obtain medical attention immediately. If victim is fully conscious, give a cupful of milk. If conscious induce vomiting. Never give anything by mouth to an unconscious person.

INFORMATION FOR DOCTOR

Most important symptoms and effects, both acute and delayed.
No further relevant information

Indications of any immediate medical attention and special treatment needed.
No further relevant information available.
5. FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY  Non-flammable. Will not support combustion.

EXTINGUISHING MEDIA  Is compatible with all extinguishing media.

SPECIAL HAZARDS OF PRODUCT  Dries to form glass film which can easily cut the skin. Spilled material is very slippery. Can etch glass if not promptly removed.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTING  Wear full protective clothing when this material is present in the area of the fire.

EXPLOSION DATA – SENSITIVITY TO IMPACT  N/A

EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE  N/A

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES  Small spills – Mop up and neutralize liquid, dispose in accordance with federal, provincial and local regulations or permits. Large spills – Isolate hazard area. Do not touch or walk through spilled material. Isolate, dike and store discharged material, if possible. Use sand or earth to contain material. If containment is impossible, neutralize contaminated area and flush with large quantities of water.

PERSONAL PRECAUTIONS  Wear chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots. Use a NIOSH-approved dust and mist respirator where spray mist occurs.

ENVIRONMENTAL PRECAUTIONS  Prevent the material from entering drains or watercourses. Notify authorities if spill has entered watercourse or sewer.

REFERENCES TO OTHER SECTIONS  See Section 7 for information on safe handling  See Section 8 for information on personal protection equipment  See Section 13 for disposal information

7. HANDLING AND STORAGE

HANDLING  Avoid contact with eyes, skin and clothing. Avoid breathing mist. Keep container closed. Promptly clean up spills.

STORAGE  Keep container closed. Store in clean steel or plastic containers. Separate from acids, reactive metals and ammonium salts. Storage temperature 0-95 deg C. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSION AND FIRE  Keep ignition sources away – Do not smoke  Protect against electrostatic charges

SPECIFIC END USE(S)  No further relevant information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES  Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

RESPIRATORY PROTECTION  Use a NIOSH-approved dust and mist respirator where spray mist occurs. Observe Provincial regulations for respiratory use.

HAND PROTECTION  Full-length gloves should be worn during all handling operations. Neoprene gloves.

EYE PROTECTION  Chemical goggles should be worn during all handling operations to protect against splashing.

BODY PROTECTION  Discard contaminated protective equipment. If there is danger of splashing, wear overall or apron.

PROTECTION DURING APPLICATION  During application, adequate ventilation must be provided. Mix in a well-ventilated area. If ventilation is poor, wear respiratory protection. Dries to form glass film which can easily cut the skin. Spilled material is very slippery. Can etch glass if not promptly removed.

9. PHYSICAL AND CHEMICAL PROPERTIES

| PHYSICAL STATE | Liquid |
| ODOUR & APPEARANCE | Odorless, clear |
| ODOUR THRESHOLD (ppm) | NA |
| SPECIFIC GRAVITY | 1.07 – 1.10 |
| VAPOR DENSITY (AIR = 1) | ND |
| VAPOR PRESSURE 20 C | ND |
| EVAPORATION RATE | ND |
| BOILING POINT (°C) | ND |
| FREEZING POINT (°C) | ND |
PH 10-12
COEFFICIENT OF WATER/OIL DISTRIBUTION ND
SOLUBILITY IN WATER Miscible
VOC (g/l) 0
FLASH POINT (PMCC) (°C/F) Non-flammable.
UPPER FLAMMABLE LIMIT %VOL NA
LOWER FLAMMABLE LIMIT %VOL NA
AUTOIGNITION TEMP (°C/F) NA

10. STABILITY AND REACTIVITY

STABILITY Stable under normal conditions
CONDITIONS TO AVOID Do Not Freeze
MATERIALS TO AVOID Gels and can generate heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead and zinc. May react with strong oxidizing agents.
Hazardous polymerization Will not occur.
Hazardous decomposition products Hydrogen gas.

11. TOXICOLOGICAL INFORMATION

Effects of acute exposure Irritation to the eyes and skin is expected. Irritation and burning sensation of mouth, throat, nausea, vomiting and abdominal pain. On inhalation of liquid will cause irritation to mucous membranes, coughing and wheezing.
Effects of chronic exposure May cause dermatitis and irritation on repeated contact.
Exposure limits NA
Irritancy Moderate irritation expected
Sensitization ND
Carcinogenicity Not listed as a carcinogen by IARC, NTP or OSHA.
Reproductive toxicity ND
Teratogenicity ND
Mutagenicity ND
Toxicologically synergistic products ND

12. ECOLOGICAL INFORMATION

Mobility Sinks and mixes with water. Diluted material rapidly depolymerizes to yield dissolved silica in a form that is indistinguishable from natural dissolved silica.
PersistenCe/DeGraDability This product is not persistent in aquatic systems, but its high pH when undiluted or unneutralized is harmful to aquatic life. Full ecological impact has not been determined.
Bio-accumulation Neither silica nor sodium will appreciably bioconcentrate up the food chain.
Ecotoxicity The following data is reported for sodium silicate on a 100% basis: A 96 hour median tolerance for: Fish (Gambusia affinis) of 2320 ppm; Water fleas (Daphnia magna) of 247 ppm; Snail eggs (Lymnea) of 632 ppm; (Amphipoda) of 160 ppm.

Results of PBt and vPvB Assessment
PBT: N/A
vPvB: N/A

13. DISPOSAL CONSIDERATIONS

Product disposal Absorb product on an inert material (sand or earth) and transfer absorbed product into a waste container. Dispose of in accordance with all applicable local and national regulations.
Container disposal Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Dispose of containers with care.
Uncleaned packagings Recommendation: Disposal must be made according to official regulations

14. TRANSPORTATION INFORMATION

Canada
Hazard label NOT REQUIRED
TDG classification NOT REGULATED, Keep from freezing
Export
DOT CFR 172.101 DATA NOT REGULATED
UN proper shipping name NA
UN class NA
UN number NA
UN PACKAGING GROUP: NA
FLASH POINT: NA
HAZARDOUS MATERIAL: NA
HAZARD LABEL: NA
MARINE POLLUTANT: NO
SPECIFIC PRECAUTIONS FOR USER: M/A

### 15. REGULATORY INFORMATION

**WHMIS CLASSIFICATION: CLASS D, DIV.2, SUBDIVISION B**
Material causing other toxic effects.

**CEPA STATUS (DSL):** All of the ingredients of this product are listed on the Domestic Substances List.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by CPR.

### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>HAZARD RATING (HMIS)</th>
<th>HEALTH: 4</th>
<th>FLAMMABILITY: 5</th>
<th>REACTIVITY: 5</th>
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<tr>
<td>KEY</td>
<td>NA</td>
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<tr>
<td>CAS#</td>
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<tr>
<td>ACGIH</td>
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<td>American Conference of Governmental Industrial Hygienists</td>
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<tr>
<td>OSHA</td>
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<tr>
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<td>PEL</td>
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<td>Short Term Exposure Limit</td>
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<td>International Agency for Research on Cancer</td>
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</tr>
<tr>
<td>LD50</td>
<td>NA</td>
<td>Lethal Dose 50%</td>
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<tr>
<td>LC50</td>
<td>NA</td>
<td>Lethal Concentration 50%</td>
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</table>

**PREPARED BY:** Specialty Products Group Inc.

**SDS REVISION DATE:** November 19, 2019

Provided data is offered in good faith as typical values and not as a product specification. No warranty, either express 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.