1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**
Product Name: Sumilarv® 0.5G  
EPA Registration Number: 1021-2819  
Other means of identification  
Part Code: 2936

**Recommended use of the chemical and restrictions on use:**
Recommended Use: Insecticide.

**Details of the supplier of the safety data sheet**
Manufacturer Address: McLaughlin Gormley King Company  
7325 Aspen Lane North  
Minneapolis, MN 55428  
Telephone Number: (800) 645-6466, or (763) 544-0341  
e-Mail Address: mgk-sds@mgk.com

**Emergency telephone numbers:**
24 Hour TRANSPORTATION Emergency: CHEMTREC®: (800) 424-9300  
International: (703) 527-3887  
24 Hour MEDICAL Emergency: SafetyCall®: (888) 740-8712, or (952) 852-9509

**Comments:** MGK® Hours of operation are 8:00 a.m. to 4:30 p.m. CST, 14:00 to 22:30 GMT. For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day to (888) 740-8712, or (952) 852-9509.

2. HAZARDS IDENTIFICATION

**Classification:**
OSHA Regulatory Status: This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Label elements**
Appearance: Yellow  
Physical state: Solid  
Odor: Slight

**Precautionary Statements - Prevention:**
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
Precautionary Statements - Response:
P321 - Specific treatment (see Section 4/ First Aid).

Precautionary Statements - Storage:
P404 - Store in a closed container

Precautionary Statements - Disposal:
P501 - Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC):
Not applicable

3. COMPOSITION/ INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyriproxyfen (NYLAR®)</td>
<td>95737-68-1</td>
<td>0.50</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret

Comments: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Aspiration pneumonia hazard:  • Not applicable

Description of first aid measures:

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

Inhalation: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note to physicians: For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:
Caution: Use of water spray when fighting fire may be inefficient.

**Hazardous combustion products:** Carbon monoxide, Carbon dioxide (CO2).

**Specific hazards arising from the chemical**
No information available.

**Explosion data**
- **Sensitivity to Mechanical Impact:** None.
- **Sensitivity to Static Discharge:** None.

**Protective equipment and precautions for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Ensure adequate ventilation, especially in confined areas.

**Environmental precautions:** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment:** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling:** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.

### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls**

**Engineering Controls:** Safety showers
Eyewash stations
Ventilation systems

**Individual protection measures, such as personal protective equipment**
Eye/face protection: Protective eyewear is recommended, but is not required.

Skin and body protection: Protective gloves are recommended, but are not required.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Comment: Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state:</td>
<td>Solid</td>
<td></td>
</tr>
<tr>
<td>Appearance:</td>
<td>Yellow</td>
<td></td>
</tr>
<tr>
<td>Odor:</td>
<td>Slight</td>
<td></td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Color (Gardner Scale):</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range:</td>
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<td></td>
</tr>
<tr>
<td>Flash point:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
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<td></td>
</tr>
<tr>
<td>Upper flammability limit (UEL):</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit (UEL):</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure:</td>
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<td></td>
</tr>
<tr>
<td>Vapor density:</td>
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<td></td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility:</td>
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<td></td>
</tr>
<tr>
<td>Partition coefficient; n-Octanol/Water:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature:</td>
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<td></td>
</tr>
<tr>
<td>Decomposition temperature:</td>
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</tr>
<tr>
<td>Kinematic viscosity:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity:</td>
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<td></td>
</tr>
<tr>
<td>Refractive Index:</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

Other Information:

| Bulk Density:                                | Relative Density = 2.06 @ 22° C |
| VOC Content (%):                             | 1                              |

Miscibility/ Solubility:

| Water:                                       | No information available        |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Page 4 / 8
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Hazardous polymerization:** Hazardous polymerization does not occur.

**Conditions to avoid**
Extremes of temperature and direct sunlight.

**Incompatible materials:**
Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**Hazardous Decomposition Products**
Carbon monoxide, Carbon dioxide (CO2).

### 11. TOXICOLOGICAL INFORMATION

**Numerical measures of toxicity - Product Information**

- **Oral LD₅₀**
  >5,000 mg/kg (rat)

- **Dermal LD₅₀**
  >2,000 mg/kg (rat)

- **Inhalation LC₅₀**
  No data available.

  - **Eye contact:** Minimal eye irritation. (rabbit).
  - **Skin Contact:** Minimal skin irritation. (rabbit).

- **Sensitization:**
  Negative. (guinea pig).

**Carcinogenicity**
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity:**
No information available.

**Developmental Toxicity**
No information available.

**Teratogenicity:**
No information available.

**STOT - single exposure:**
No information available.

**STOT - repeated exposure:**
No information available.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

**Persistence and degradability**
No information available.

**Bioaccumulation**
No information available.

**Other adverse effects:**
No information available

**Environmental hazards (EPA):**
Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.
13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

Contaminated packaging: For more information, see product label.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Solid
Hazard Class: This material is not hazardous.

Air (IATA/ ICAO)

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Solid
Hazard Class: This material is not hazardous.

Vessel (IMO/ IMDG)

UN/ID Number: UN3077
Proper Shipping Name: Environmentally Hazardous Substance, solid, n.o.s.,(Pyriproxyfen mixture)
Hazard Class: 9
Packing Group: III
Marine Pollutant: Yes

15. REGULATORY INFORMATION

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard
Categories
Acute health hazard No
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund
Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations:**

**California Proposition 65:**
This product does not contain any intentionally added Proposition 65 chemicals

**U.S. EPA Label Information:**

**EPA Registration Number:** 1021-2819

**Difference between SDS and EPA (FIFRA) Pesticide label:**
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

Precautionary Statements:
* Causes moderate eye irritation.

**International Inventories:**

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Does not comply</td>
</tr>
<tr>
<td>ENCS</td>
<td>Does not comply</td>
</tr>
<tr>
<td>IECSC</td>
<td>Does not comply</td>
</tr>
<tr>
<td>KECL</td>
<td>Does not comply</td>
</tr>
<tr>
<td>PICCS</td>
<td>Does not comply</td>
</tr>
<tr>
<td>AICS</td>
<td>Does not comply</td>
</tr>
</tbody>
</table>

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION.**

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards 0</th>
<th>Flammability 1</th>
<th>Instability 0</th>
<th>Physical and Chemical Properties -</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Health hazards 0</td>
<td>Flammability 1</td>
<td>Physical hazards 0</td>
<td>Personal protection X</td>
</tr>
</tbody>
</table>

**Chronic Hazard Star Legend**

* = Chronic Health Hazard
**Disclaimer:**

The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, to the extent consistent with applicable law, MGK® and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, to the extent consistent with applicable law, neither MGK® nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. Except to the extent a particular use and particular information are expressly stated on the product label, it is the users’ own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact MGK® to confirm that you have the most current product label and SDS.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use as required by the Occupational Health and Safety Act (29 CFR 1910.1200, “Hazcom”). The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the EPA under the authority of FIFRA through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use an EPA-registered pesticide product in any manner inconsistent with its labeling.

**End of Safety Data Sheet.**