



McLaughlin Gormley King Company  
**PRODUCT CODE:** 002607

**MATERIAL SAFETY DATA SHEET**  
**surge™ containing NYLAR® IGR**

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**Revision Date:** 6/4/2010

**1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

<b>PRODUCT CODE:</b>	002607, EPA REG. NO. : 1021-1620		
<b>PRODUCT NAME:</b>	surge™ containing NYLAR® IGR		
<b>PRODUCT DESCRIPTION:</b>	An Emulsifiable Insecticide Concentrate with Insect Growth Regulator.		
<b>CHEMICAL NAME:</b>	Mixture		
<b>MANUFACTURER:</b>	McLaughlin Gormley King Company, 8810 10 <sup>th</sup> Avenue North, Minneapolis, MN. 55427		
<b>TELEPHONE M-F, 8:00-4:30 CST, 14:00-22:30 GMT:</b>	(800) 645-6466 or (763) 544-0341		
<b>MSDS &amp; Product Information, 8:00-4:30 CST, 14:00-22:30 GMT:</b>	(800) 645-6466 or (763) 544-0341		
<b>24 HOUR EMERGENCY PHONE (CHEMTREC) U.S. and CANADA:</b>	(800)-424-9300	<b>CHEMTREC (ALL OTHER AREAS):</b>	(703) 527-3887
<b>FOR INFORMATION REGARDING MEDICAL EMERGENCIES OR PESTICIDE INCIDENTS CALL:</b> 1-888-740-8712 in U.S and CANADA or 952-852-9509 from all other areas			

**2. HAZARDS IDENTIFICATION**

**POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW**

**CAUTION. OSHA-COMBUSTIBLE LIQUID.** Do not use or store near heat, sparks, open flame, or any other ignition sources. Harmful if absorbed through the skin. Causes moderate eye irritation. Contains petroleum distillates - Vomiting may cause aspiration pneumonia. Avoid contact with skin, eyes, and clothing.  
**DO NOT APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.**

- EYES:** Causes moderate eye irritation.
  - SKIN:** Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth).
  - SKIN ABSORPTION:** Harmful if absorbed through the skin.
  - INGESTION:** May be harmful if swallowed. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe lung injury.
  - INHALATION:** Excessive inhalation may be irritating to the respiratory tract.
  - CHRONIC EFFECTS:** None known.
  - CARCINOGENICITY:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.
- This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

COMPONENT(s)	CAS #	EXPOSURE LIMITS	SARA Title III Sec. 313 de minimus conc.	% BY WEIGHT
Pyriproxyfen (NYLAR®) [2-(1-Methyl-2-(4-phenoxyphenoxy) ethoxy) pyridine]	095737-68-1	Not established	Not Applicable	1.30
Petroleum Distillates, Light, Hydrotreated	064742-47-8	500 ppm (2000 mg/m <sup>3</sup> ) TWA; OSHA-PEL	Not Applicable	50←→80
PEL = Permissible Exposure Limits. TLV = Threshold Limit Value.		TWA = Time Weighted Average (8 hour). STEL = Short Term Exposure Limit (15 minute's).		
<b>COMMENTS:</b> Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.				

**4. FIRST-AID MEASURES**

**FIRST AID PROCEDURES:**

- EYES:** 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:** 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.
- INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- INGESTION:** Immediately call a poison control center or doctor for treatment advice. **DO NOT** give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**NOTE TO PHYSICIANS:** This product contains Petroleum Distillates; Vomiting may pose an aspiration pneumonia hazard.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

**FLASH POINT:** 153 °F/ 67.2 °C **METHOD:** TAG Closed Cup

This product is classified as an **OSHA-COMBUSTIBLE LIQUID.**

**LOWER FLAMMABLE LIMIT:** not established. **UPPER FLAMMABLE LIMIT:** not established.

**AUTOIGNITION TEMPERATURE:** not established.

**SENSITIVE STATIC DISCHARGE:** Yes, use proper bonding and/ or grounding procedures.

**HAZARDOUS COMBUSTION PRODUCTS:** Under fire conditions this product will support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.

**EXTINGUISHING MEDIA:** Foam, carbon dioxide, or dry chemical.

**FIRE FIGHTING INSTRUCTIONS:** Treat as an oil fire. Keep personnel removed and upwind of fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal.

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**6. ACCIDENTAL RELEASE MEASURES:**

**SMALL SPILL:** Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**LARGE SPILL:** Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent

**WASTE DISPOSAL METHOD:** Contaminated absorbent and wash water should be disposed of according to local, state, and federal regulations.

**RCRA \ CERCLA HAZARDOUS WASTE:**

**INGREDIENT**

**RCRA ID#:**

**CERCLA RQ-VALUE**

None

**RCRA/ EPA WASTE INFORMATION:** None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40 CFR 251.33) or CERCLA Hazardous Substance List (40 CFR Part 302 Table 302.4).

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** COMBUSTIBLE LIQUID. DO NOT APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD. Do not use or store near heat, sparks, open flame, or any other ignition sources.

**HANDLING:** Take prudent precautions to avoid contact with skin, eyes, and clothing. Do not contaminate water, food or feedstuffs by storage, handling or by disposal. Read and observe all precautions and instructions on the label.

**STORAGE:** Store in a cool, dry area, under lock and key. Post as a pesticide storage area. Keep away from heat, sparks, open flame, and any other ignition sources. Keep away from strong acids, bases and oxidizers. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower-shelves, and dry formulations above. **KEEP OUT OF REACH OF CHILDREN.**

**WORK HYGIENIC PRACTICES:** DO NOT SMOKE, EAT, DRINK OR APPLY COSMETICS IN WORK AREA! Wash Promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, and using the toilet.

**ELECTROSTATIC ACCUMULATION:** This product contains petroleum distillates, for which there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE LIMITS:** Not established by OSHA or ACGIH (see Section 2 for individual components).

**ENGINEERING CONTROLS:** Ventilate treatment area thoroughly before re-entry.

**RESPIRATORY PROTECTION:** Not required.

**SKIN PROTECTION:** Take prudent precautions to avoid contact with skin and clothing.

**EYE PROTECTION:** Take prudent precautions to avoid contact with eyes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Clear to light-amber colored liquid.	<b>MELTING POINT:</b>	Not available
<b>ODOR:</b>	Odor of Petroleum Distillates.	<b>SOLUBILITY IN WATER:</b>	Partially miscible in water.
<b>PHYSICAL STATE:</b>	Liquid	<b>SPECIFIC GRAVITY:</b>	0.854 (Water = 1) @ 20°C (68°F)
<b>VAPOR PRESSURE:</b>	Not available	<b>COLOR, (GARDNER):</b>	1
<b>VAPOR DENSITY:</b>	Heavier than air.	<b>pH:</b>	7.8 @ 1.3% in water.
<b>BOILING POINT:</b>	Not available	<b>VISCOSITY:</b>	10.5 CPS @ 23°C (73.4°F)
<b>VOC:</b>	< 67%	<b>REFRACTIVE INDEX:</b>	1.4526 @ 25°C (77°F)

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable.

**INCOMPATIBILITY:** Strong acidic or alkaline materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** NO, NO<sub>2</sub>, CO, CO<sub>2</sub> gases

**HAZARDOUS POLYMERIZATION:** Will not occur.

**11. OTHER INFORMATION**

**HMIS RATINGS:**

We assign HMIS ratings to this product based on the hazards of its ingredient(s). Since the customer is most aware of the applications and conditions of use, he must ensure that the proper personal protective equipment is provided consistent with information contained in Section's 7 and 8 of this MSDS.

<b>HMIS RATINGS:</b>	Health	1
	Flammability	2
	Reactivity	1

*The data contained herein are based on information currently available to McLaughlin Gormley King Company and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which McLaughlin Gormley King Company assumes legal responsibility.*

Material Safety Data Sheet prepared by T. Azzivitto