MATERIAL SAFETY DATA SHEET
GRONOMICS GARDEN BED OIL 5807

1. PRODUCT AND COMPANY INDENTIFICATION					
Product ID:	5807	**Product Name:**	Garden Bed Oil	**Application:**	Protective coating
Manufacturer/Supplier: Swing Paints Ltd. 2100 St. Patrick St. Montreal Quebec H3K 1B2 TEL (514) 932-2157 FAX (514) 932-2779					
Emergency Telephone Number: (800) 424-9300					
Prepared by: Safety and Health Department, Swing Paints Ltd.				**Preparation Date:**	July 1, 2012

2. COMPOSITION / INFORMATION ON INGREDIENTS				
Ingredients	**CAS**	**Oral LD50 (rat)**	**Skin LD50 (rabbit)**	**LC50 (rat-4 hours)**
D-limonene	5989-27-5	4,400 mg/kg	>2,000 mg/kg	NO DATA

3. HAZARDS IDENTIFICATION	
Potential Acute Health Effects:	
Eye Contact:	May irritate eyes. Symptoms include pain, redness and tearing.
Skin Contact:	May cause moderate skin irritation. Contains a component which is a known or suspected skin sensitizer.
Inhalation:	Vapor may be irritating to throat, lungs and pulmonary tract.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4. FIRST AID MEASURES	
Eye Contact:	Flush eyes with water for at least 15 minutes while holding eyelids open. Obtain medical attention..
Skin Contact:	Wash contaminated skin with mild soap and water for 15 minutes. If irritation persists, seek medical attention.
Inhalation:	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.
Ingestion:	Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get immediate medical attention.
Notes to Physicians:	

5. FIRE FIGHTING MEASURES					
Flash Point:	>47°C	**Flash Point Method:**	Tag Closed Cup	**Autoignition Temperature:**	237°C
Flammable Limits in Air (%):		**Lower Limit:**	0.7	**Upper Limit:**	6.1
Extinguishing Media	Use DRY chemicals, carbon dioxide, alcohol foam or water spray.				
Special Exposure Hazards.	Spray extinguishing media directly into base of the flames. Water is unsuitable for use on burning materials, but may be used to cool containers exposed to heat.				
Special Protective Equipment:	Fire fighters should wear full protective clothing, including self-contained breathing equipment.				

6. ACCIDENTAL RELEASE MEASURES	
Procedure for Clean Up:	Eliminate all ignition sources. Ventilate area. Absorb with an inert dry material and place in an appropriate waste disposal container.
Personal Precautionary Measures:	Wear appropriate protective equipment.
Environmental Precautionary Measures:	Prevent entry in sewers or streams, dike if needed.

7. HANDLING AND STORAGE	
Handling:	Do not ingest. Avoid prolonged contact with eyes or prolonged skin contact. Use good personal hygiene. Properly discard any item soaked with this material, as spontaneous heating may occur.
Storage:	Keep away from direct sunlight. Store in original container. Store in a cool, dry, well ventilated area, away from heat and ignition sources. Place away from incompatible materials. Store in accordance with good industrial practices.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering Controls:	Local exhaust ventilation as necessary to maintain exposures to within applicable limits.
Respiratory Protection:	If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved organic vapour respirator.
Gloves:	Appropriate chemical resistant gloves should be worn.
Skin Protection:	The selection of personal protective equipment varies depending upon conditions of use.
Eyes:	Safety glasses with side shields.
Other Personal Protection Data:	Ensure that eyewash stations and safety showers are proximal to the work-station location.

9. PHYSICAL AND CHEMICAL PROPERTIES							
Physical State:	Liquid	**Colour:**	Amber	**Odour:**	Mild citrus	**pH:**	NO DATA
Specific Gravity:	0.9	**Boiling Point:**	175-177°C	**Freezing Point:**	-96°C	**Solubility:**	<0.01%

10. STABILITY AND REACTIVITY	
Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Avoid excessive heat, open flames and all ignition sources..
Materials to Avoid:	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide, smoke, toxic fumes.
Additional Information:	None

11. TOXICOLOGICAL INFORMATION	
Principal Routes of Exposure:	
Eye Contact:	May irritate eyes. Symptoms include pain, redness and tearing.
Skin Contact:	May cause moderate skin irritation. Contains a component which is a known or suspected skin sensitizer.
Inhalation:	Vapor may be irritating to throat, lungs and pulmonary tract.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Carcinogenicity :	IARC Group 3. The agent (mixture or exposure circumstance) is not classifiable as to its carcinogenicity to humans.
Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity	Not available.

12. ECOLOGICAL INFORMATION			
Ecotoxicological Information:			
Hazardous Components:			
Ingredients	Ecotoxicity – Fish Species Data	Acute Crustaceans Toxicity:	Freshwater Algae Data
D-limonene	0.619 - 0.796 mg/L LC50 (Pimephales promelas) 96 h flow-through 35 mg/L LC50 (Oncorhynchus mykiss) 96 h	NO DATA	NO DATA

13. DISPOSAL CONSIDERATIONS	
Disposal of Waste Method:	Disposal of all waste must be done in accordance with municipal, provincial and federal regulations.
Contaminated Packaging:	Empty containers should be recycled or disposed of through an approved waste management facility.

14. TRANSPORTATION INFORMATION	
Shipping Name:	PAINT (D-limonene)
Hazard Class:	3
UN Number:	UN1263
Packing Group:	III
Note:	Consumer Commodity, ORM-D (Limited quantities of combustible liquids) for containers not over 5.0 L. Package may not exceed 30 kg. Not regulated under the Transportation of Dangerous Goods Act when transported by road or rail in packaging or containers of 450 L or less (waste excluded).
Marine Pollutant:	No

15. REGULATORY INFORMATION	
WHMIS Hazardous Class:	B3 Combustible Liquids

16. OTHER INFORMATION	
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