

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|--|-------------------------------------|---|-------------------------------------|
| Product Identifier SUGARFLO 5-0-1 | | [WHMIS Classification] | |
| Product Use AGRICULTURAL AND HORTICULTURAL PLANT FOOD/SOIL AMMENDMENT | | | |
| Manufacturer's Name HARVEST GROW LLC | | Supplier's Name HARVEST GROW LLC | |
| Street Address 4737 COUNTY ROAD 101, STE 266 | | Street Address 4737 COUNTY ROAD 101, STE 266 | |
| City MINNETONKA | State MN | City MINNETONKA | State MN |
| Postal Code 55345 | Emergency Telephone 800-957-0547 | Postal Code 55345 | Emergency Telephone 800-957-0547 |
| Date MSDS Prepared 10/25/2010 | MSDS Prepared By DAVID ERICKSON | | Phone Number 800-957-0547 |

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients (<i>specific</i>) | % | CAS Number | LD ₅₀ of Ingredient (<i>specify species and route</i>) | LC ₅₀ of Ingredient (<i>specify species</i>) |
|---|---|------------|--|---|
| NO HAZARDOUS MATERIAL | | | | |
| PRESENT IN MIXTURE | | | | |
| COMPOSITION IS | | | | |
| PROPRIETARY | | | | |
| | | | | |

SECTION 3 — HAZARDS IDENTIFICATION

| | | | | | |
|---|--|---|---|-------------------------------------|---|
| Route of Entry | <input checked="" type="checkbox"/> Skin Contact | <input checked="" type="checkbox"/> Skin Absorption | <input checked="" type="checkbox"/> Eye Contact | <input type="checkbox"/> Inhalation | <input checked="" type="checkbox"/> Ingestion |
| [Emergency Overview] | | | | | |
| [WHMIS Symbols] | | | | | |
| Potential Health Effects MAY CAUSE REDNESS OF SKIN OR EYE IRRITATION | | | | | |
| | | | | | |
| | | | | | |

SECTION 4 — FIRST AID MEASURES

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| <p>Skin Contact WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINTED CLOTHING AND WASH BEFORE RE-USE. SEE PHYSICIAN IF SKIN BECOMES IRRITATED</p> |
| <p>Eye Contact FLUSH IMMEDIATLEY WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS</p> |
| <p>Inhalation MOVE TO FRESH AIR. IF BREATHING BECIMES DIFFICULT, CALL PHYSICIAN.</p> |
| <p>Ingestion IRRITATION MAY OCCUR. CONTACT POISON CONTROL IMMEDIATLEY</p> |

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SECTION 5 — FIRE FIGHTING MEASURES

| | | |
|--|---|--|
| Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If yes, under which conditions? | |
| Means of Extinction FOAM, DRY CHEMICAL, WATER SPRAY | | |
| Flashpoint (° C) and Method N/A | Upper Flammable Limit (% by volume) NOT DETERMINED | Lower Flammable Limit (% by volume) NOT DETERMINED |
| Autoignition Temperature (°C) NOT AVAILABLE | Explosion Data — Sensitivity to Impact NONE | Explosion Data — Sensitivity to Static Discharge NONE |
| Hazardous Combustion Products NONE | | |
| [NFPA] | | |

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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| Leak and Spill Procedures |
| PREVENT PRODUCT SPILLAGE FROM ENTERING STREAMS OR WATER SUPPLIES. COLLECT LIQUID OR ABSORB ONTO ABSORBANT MATERIAL AND PACKAGE FOR DISPOSAL FOLLOWING STATE AND FEDERAL REGULATIONS |
| |

SECTION 7 — HANDLING AND STORAGE

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| Handling Procedures and Equipment |
| TRANSFER USING CHEMICAL RESISTANT PUMPS, VAALVES, AND HOSES. STORE IN PLASTIC CONTAINERS |
| |
| Storage Requirements |
| STORE IN PLASTIC CONTAINERS IN A COOL WELL VENTILATED AREA. DO NOT STORE BELOW 40 F OR ABOVE 110 F. DO NOT STACK PALLETS MORE THAN TWO (2) HIGH. |

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

| |
|---|
| Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (<i>specify</i>) |
| Specific Engineering Controls (<i>such as ventilation, enclosed process</i>) |
| |
| Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other |
| If checked, please specify type- EYES – CHEMICAL DUST SPLASH/DUST GOOGLES OR FULL FACE SHIELD TO PREVENT EYE CONTACT. AS A GENERAL RULE, DO NOT WEAR CONTACT LENSES WHEN HANDLING |
| SKIN – WEAR IMPERVIOUS GLOVES AND CLOTHING RESPIRATORY- NOT NORMALLY NEEDED. IF USE GENERATES MIST, USE NIOSH- DUST/MIST REPIRATOR (SUCH AS 3M #8710) |
| VENTILATION- RECOMMENDED, BUT NO TLV ESTABLISHED |

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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|--------------------------|--|-------------------------------|
| Physical State LIQUID | Odor and Appearance EARTHY/ORGANIC ODOR. BROWN VISCOUS LIQUID | Odor Threshold (ppm) N/A |
| Specific Gravity 1.35 | Vapor Density (air = 1) N/A | Vapor Pressure (mmHg) N/A |
| Evaporation Rate N/A | Boiling Point (° F) 212 F | Freezing Point (° F) 28 F |
| Ph 3.5 | Coefficient of Water/Oil Distribution N/A | [Solubility in Water] 100% |

SECTION 10 — STABILITY AND REACTIVITY

| | |
|--|--------------------------------|
| Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If no, under which conditions? |
| Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If yes, which ones? |
| | |
| | |
| Reactivity, and under what conditions? | |
| | |
| Hazardous Decomposition Products – IF BURNING, WILL RELEASE CARBON MONOXIDE/CARBON DIOXIDE | |
| | |

SECTION 11 — TOXICOLOGICAL INFORMATION

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| Effects of Acute Exposure | |
| EYES-MILD IRRITANT. MAY CAUSE REDNESS/BURNING. SKIN-MILD IRRITANT, ESPECIALLY FROM PROLONGED EXPOSURE MAY OCCUR. INGESTION-MAY CAUSE CRAMPS OR NAUSEA. INHALATION-MILD IRRITATION MAY OCCUR | |
| | |
| Effects of chronic exposure NOT KNOWN | |
| | |
| | |
| Irritancy of Product | |
| Skin sensitization N/A | Respiratory sensitization N/A |
| Carcinogenicity-IARC N/A | Carcinogenicity - ACGIH |
| Reproductive toxicity N/A | Teratogenicity N/A |
| Embrototoxicity N/A | Mutagenicity N/A |
| Name of synergistic products/effects N/A | |

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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity] ALGAL GROWTH INHIBITION – NOT KNOWN. TOXICITY TO FISH AND INVERTEBRATES-NOT KNOWN. TOXICITY TO PLANTS NO. TOXICITY TO NIRDS - NO

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal DO NOT CONTAMINATE LAKES, STREAMS, PONDS, ESTUARIES, OCEANS, OR ANY OTHER BODIES OF WATER BY DISCHARGE OF EFFLUENTS OR

WASHWATERS. DISPOSE OF WASTE EFFLUENTS ACCORDING TO STATE AND LOCAL REGULATIONS.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information

NON DOT REGULATED FERTILIZER COMPOUNDS (MANUFACTURED) LIQUID NMFC ITEM 68140 SUB 6 LTL CLASS 70

PIN

TDG

[DOT]

[IMO]

[CAO]

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] NONE

[OSHA]
NONE

[SERA] NONE

[TSCA]
NONE

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

SECTION 16 — OTHER INFORMATION