

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier DIRTFERT 3-0-1		[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

<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

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

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 (specify)
Specific Engineering Controls (such as ventilation, enclosed process)
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

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

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