

MATERIAL SAFETY DATA SHEET

TOTALEX® READY-TO-USE GRASS AND WEED KILLER

SECTION – 1 Product and Preparation Information

Manufacturers Name:	TeraGro Inc.	Date:	10/03/2008
Address:	Box 137	Preparation Date:	10/03/2008
City:	Chestermere	Last Reviewed Date:	10/03/2008
Province:	ALBERTA	Emergency Phone Number:	403-285-0500
Postal Code:	T1X 1K8	Canutec:	613-996-6666
Phone Number:	403-285-0500		

Product Code:	TG 012,013 /TG020,021	TDGA: Not regulated by TDG
	Home Gardener™/TeraGro™	
Brand Name:	TOTALEX ®	USA Classification: Toxicity Class IV, Signal Word: "Caution"
Product Name:	Ready-To-Use (1 and 2 Litre)	WHMIS Rating:
Product Type:	Herbicide	Health 0
Prepared By:	Dan Eddy	Flammability 0
		Reactivity 0
		PPE see No. 8

SECTION – 2 Hazardous Ingredients

Ingredient	CAS No.	% (Wt)	TLV/TWA	LD50/LC50
Glyphosate isopropylamine salt	38641-94-0	0.7%	Not established	LD50 >5000 mg/kg

SECTION – 3 Physical Data

Physical State Liquid	Appearance Clear pale yellow liquid	Odour Practically Odorless		
Vapour Pressure Not Applicable	Vapour Density Not Applicable	% Volatile by Volume Not available	Boiling Point > 100 ° C	Freezing Point 0 ° C
pH Approximately 5.0	Specific Gravity 1.07 g/ml at 20c	Evaporation Rate Not available		

SECTION – 4 Fire and Explosion Data

Special Fire Fighting Procedure None	Explosion Data N/A	Extinguishing Media Water fog/Foam/Dry chemical
Hazardous Combustion Products: Phosphorus pentoxide, carbon monoxide, carbon dioxide, nitrogen oxides	Flash Point & Method: >75° C (Pensky-Martens closed tester)	Flammable Limits in Air %v: Lower - NA Upper - NA
	Auto-Ignition Temperature: Not Available	
Conditions of Flammability: Non Flammable		

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SECTION – 5 Reactivity Data

Stability: Stable at ambient temperatures	Incompatible Materials: None reasonably foreseeable
Conditions to Avoid: Do not store or apply this product in galvanized or unlined steel containers or spray tanks. (Stainless steel may be used.) This product may react with such containers to produce hydrogen gas, which may form a highly combustible gas mixture with air.	Decomposition: None however see section 4: Hazardous Combustion Products

SECTION – 6 Toxicological Properties

Route of Entry: Ingestion, Eyes, Skin	Sensitization to Product: Not a skin sensitizer
Irritancy of Product: Minimal eye irritant, non irritating to skin	Synergistic Products: None
Effect of Acute Exposure To Product: The product is slightly harmful if swallowed. No significant adverse effects are expected to develop. Ingestion of large amounts may cause nausea, vomiting and diarrhea.	Effect of Chronic Exposure to Products: Not Available
Evidence of Carcinogenicity, Reproductive Toxicity, Teratogenicity or Mutagenicity. None	

SECTION – 7 Preventative Measures

Personal Protective Equipment:			
Eyes / Face: Safety Glasses	Gloves: Chemical resistant	Footwear: Nothing Special Required.	Clothing: Avoid Skin Contact.
Other: None Required.	Respirator: MESA/NIOSH respirators, if needed.	Engineering Controls: Adequate cross air circulation	
Spill and Leak Procedure: Small spills should be soaked up with towels or other absorbent and discarded as non-hazardous waste. Clean the spill area with soap and water and rinse thoroughly Large spills should be contained or diked and then absorbed with "kitty litter" or other absorbent clay material and collected and stored in sturdy leak proof containers for proper disposal (see below)			
Waste Disposal: Dispose of in accordance with Municipal, Provincial or Federal regulations.			
Handling Procedures: No special procedures.		Storage Requirements: Avoid Freezing. This product is stable when stored under normal warehouse conditions.	

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SECTION – 8 First Aid Measures

Inhalation:

Move to fresh air.

Skin Contact:

Wash skin with soap and water.

Ingestion:

Drink 2 glasses of water.

Eye Contact:

Flush eyes with water 15 minutes.

C21-15

SECTION – 9 Preparation of MSDS

Prepared by:

TeraGro Inc.
Calgary, Alberta
Phone: 403-285-0500
Web: www.teragro.com

Preparation Date:

March 10, 2008

Additional Information and Comments:

The information contained herein is believed to be accurate and represents the best information available to us at the time of development or revision of this MSDS. However, we make no warranty, expressed or implied, with respect to such information and assume no liability from its use. Users should make their own investigations to determine the suitability of the information for their own purposes.