

## SAFETY DATA SHEET

1. IDENTIFICATION			
Trade Name:	HayRake		
Chemical Name:	Liquid Fertilizer Solution		
Manufacturer:	C.O.G. Marketers, LTD.		
Address:	3055 W. M-2		
	St. Johns, M	1 48879	
Product Informaton:	800 678-9029 <b>Revision Date:</b> April 6, 2023		
24 Hour Emergency:	ChemTel Inc. 800-255-3924		
2. HAZARDS IDENTIFICATION			
GHS – Classification:	Signal Word: Warning		
GHS – Classification:	Pictogram: GHS07		
Health:	Inhalation:	H335	If misty condition prevails, may irritate.
			Large doses of ammonium salts may give diarrhea or diuresis.
	Ingestion:	H303	Low oral toxicity.
	<u>Skin</u> :	H317	Low skin irritation potential. (pH 6.57 to 7.0)
	<u>Eyes</u> :	H320	Low eye irritation potential. (pH 6.57 to 7.0)
Precautionary Statements:			
~	P261		Avoid breathing mists or vapors.
	P262		Do not get in eyes, on skin or on clothing.
	P264		Wash hands thoroughly after handling.
· · ·	P270 P280		Do not eat, drink or smoke when using this product.
•			Wear protective gloves, protective clothing and eye protection.
			If breathing is difficult, remove victim to fresh air and keep at
	P341		rest in a position comfortable for breathing.
	D204 - D242		If swallowed: call a POISON CENTER or doctor/physician if you
	P301+P312		feel unwell. IF IN EYES: Rinse cautiously with water for several minutes.
			Remove contact lenses, if present and easy to do. Continue
	P305+P351+	·P338	rinsing.
3. COMPOSITION/INFORMATIO	N ON INGRED	DIENTS	
Element	% Gu	arantee	
Nitrogen (N)		1%	
Phosphate (P2O5)		2%	
Potassium (K2O)		3%	
Iron (Fe)		09%	
Manganese (Mn)	0.	05%	

4. FIRST AID MEASURES	
	Flush eyes immediately and thoroughly with water for at least 15 minutes. If irritation
Eye Contact:	persists, get medical attention.
	Flush skin immediately and thoroughly with water. If irritation persists, get medical
Skin Contact:	attention.
Inhalation:	Generally not considered an inhalation hazard.
Ingestion:	If conscious, immediately give large quantities of water. Consult a physician.

## **5. FIRE-FIGHTING MEASURES**

Cleanup:

When heated, it may give off ammonia fumes (this material is a Unusual fire and explosion hazards: fire retardant). Fire extinguishing agents recommended: All standard agents are acceptable. Due to possible evolution of ammonia, wear self-contained **Special fire-fighting precautions:** breathing apparatus approved by NIOSH. Use water spray to keep containers cool. **NFPA HAZARD RATING:** 0 Least 1 Slight 1 Health 2 Moderate **0** Flammability 0 Reactivity 3 High 4 Severe **6. ACCIDENTAL RELEASE MEASURES Personal Precautions:** Use personal protective equipment. Soak up with inert absorbent material. A vacuum truck may also be used. Keep in a

## 7. HANDLING AND STORAGE Normal Handling: Avoid breathing mist, if any should be formed. Minimize contact of liquid with eye, skin, and clothing. Use good personal hygiene and housekeeping. Avoid using containers, pipes and fittings made of aluminum, mild steel, zinc-clad or, copper bearing alloys. 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

suitable closed container for disposal.

o. EXTOSORE CONTROLS AND	
	Unless misted by heat, agitation, or spraying, natural ventilation should be adequate.
Ventilation:	
	Contain spills and maximize recovery. Cleanup promptly into a container. (Caution
	should be exercised in the area of spilled material since it can cause a slippery
Spill or Leak:	condition.)
<b>Respiratory Protection:</b>	Respirators are not required under normal ventilated conditions.
Eyes and Face:	Safety glasses are recommended.
	Rubber coated gloves and clothing which minimize skin exposure are recommended if
Hands, Arms, & Body:	there is prolonged or repeated exposure of skin to liquid.

lashpoint:	NA	Lower Flammability Limit:	NA
Autoignition Temperature:	NA	Upper Flammability Limit:	NA
Boiling Point:	NA	Specific Gravity:	1.173
Melting Point:	NA	Weight:	9.78 lbs/gal
Freezing Point:	0 °F		
Vapor Pressure:	NA	% Volatile:	NA
Vapor Density (Air=1)	NA	Evaporation Rate (Water=1)	NA
% Solubility in Water:	100	Viscosity:	NA
Pour Point:	NA	<b>Octanol/Water Partition Coefficient:</b>	NA
Molecular Formula:	Mixture	pH:	6.57 to 7.0
Salt-Out Point:	NA	Molecular Weight:	Mixture
Odor/Appearance:	Dark Green Lig	uid that is odorless.	

<b>10. STABILITY AND REACTIV</b>	ΙΤΥ
Stability:	Stable.
Conditions to avoid:	Avoid extreme temperature changes.
	Avoid mixing with materials containing calcium and magnesium as these will form
	fallout after a short period of time. Always perform a jar test to determine
Incompatibilities:	compatibility.
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<b>11. TOXICOLOGICAL INFORM</b>	MATION		
Routes of Exposure:	Eye Contact. Ingestion. Inhalation.		
Toxicity Data:	Not determined.		
<b>Chronic Toxic Effects:</b>	Carcinogenic Effects:	Not determined.	
	Mutagenic Effects:	Not determined.	
	Teratogenic Effects:	Not determined.	
	Developmental Effects:	Not determined.	
	There is no known effect	from chronic exposure to this product. Repeated or	
	prolonged exposure is not known to aggravate existing medical conditions.		
Acute Toxic Effects:	Not determined.		

Not determined	
Not determined.	
No ecological data available.	
	Not determined. No ecological data available.

Waste Disposal of Material:

Dispose of in accordance to national, state, and local regulations.

14. TRANSPORT INFORMATION		
DOT:	Not regulated.	
IATA:	Not regulated.	
IMDG:	Not regulated.	

15. REGULATORY INFORMATIO				
Canada:	WMIS Hazard Class:	Not determined.		
Callada.				
	DSL:	All components either exempt or listed on DSL.		
United States:	<u>SARA 313</u> :	Not applicable.		
	<u>SARA 311/312</u> :	Not applicable.		
	<u>TSCA</u> :	All components either exempt or listed on TSCA inventory.		
	OSHA:	Classified as not hazardous under OSHA regulations.		
Mexico – Grade:		No information available.		
	This pro	oduct does not contain any component(s) listed under the CWC		
International Regulations: C	•	le of Chemicals.		
16. OTHER INFORMATION				
Legend:	DOT: Department of Transportation (US)			
	IATA: International Air Transport Association			
	IMDG: International Maritime Dangerous Goods Code			
	WHMIS: Workplace Hazardous Material Information System			
	•	DSL: Domestic Substances List		
	SARA: Superfund Amendments and Reauthorization Act			
	TSCA: Toxic Substances Control Act			
		Safety and Health Administration		
	AICS: Inventory of Ch	•		
	CWC: Chemical Wear			
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