

UAB AGRICHEM INNOVATION

SEC	TION 1 ; identification of the	e substance/mixture and of the company undertaking	
1.1	Product identifier		
	Product name	Liquid Liquid complex fertilizer NPK 3-0-0+Ca	
1.2	Relevant identified uses of the substance or mixture a uses advised against		
13	Use of the substance/mixture:	For crop production, other industry	
1.4	Details of the supplier of the safe	ety data sheet	
	UAB Agrichem Innovation Ramybės street 4-70, Vilnius, LT-02103, Lithuania T +37060504341 – F +37037430080 <u>info@agricheminnovation.com</u> www.	agricheminnovation.com	
1.5	Emergency telephone number		
SEC	Emergency number C TION 2 ; Hazards identificat	CHEMTREC: 1-800-424-9300 or 011-703-527-3887 ion	
2.1	Classification of the substance of	r mixture	
	GHS-US classification Skin Irrit. 2 H315 Eye Irrit. 2A H319 Full text of H-Phrases: see section 16		
2.2	Label element		
	GHS-US labeling Hazard pictograms (GHS-US)		
	Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US)	GHS07 Warning H315 - Causes skin irritation H319 - Causes serious eye irritation P264 - Wash exposed skin thoroughly after handling P280 - Wear eye protection, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 -If in eyes: Rinse cautiously with water for several minutes. Remove <i>contact lenses</i> , if present and easy to do. Continue rinsing P332+P313 -If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362 - Take off contaminated do thing and wash before reuse	
2.3	Other hazards		
	Other hazards not contributing to the classification	Non applicable	
2.4	Unknown acute toxicity (GHS-US)		
	Non applicable		
SEC	TION 3 ; Composition/inform	ation or ingredients	
3.1	Substance		
	Calcium, Nitrate ions and water.		
3.2	Mixture Derived: from animal manure and mir	ed source	

	Element	Element amount	%	Product identifier
	Nitrate Nitrogen (N-NO3)	3.00	%	(CAS No)
	Calcium oxide (CaO)	3.70	%	(CAS No)
	Water (H2O)	79.80	%	(CAS No)
SEC	TION 4 ; First aids and measures			
4.1	Description of first aid and measures			
	First-aid measures general	Never give anything by mouth to an ur advice (show the label where possible).	nconscious person. I	f you feel unwell, seek medical
	First-aid measures after inhalation	Assure fresh air breathing. Allow the v		
	First-aid measures after skin contact	Wash with plenty of soap and water. W occurs: Wash immediately with lots of		
	First-aid measures after eye contact	Rinse immediately with plenty of wate persist.	r. Obtain medical at	tention if pain, blinking or redness
	First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting	g. Obtain emergency	medical attention.
4.2	Most Important symptoms and effects,	, ,		
	Symptoms / injuries after skin contact:	Causes skin irritation.		
	Symptoms / Injuries after eye contact:	Causes serious eye irritation		
4.3	Indication of any immediate medical attention	n and special treatment needed		
	No additional information available			
SEC	TION 5 ; Firefighting measures			
5.1	Extinguishing media			
	Suitable Unsuitable	Foam. Dry powder. Carbon dioxide. Wa	ter spray. Sand.:	
	Extinguishing media	ng media Do not use a heavy water stream.		
5.2	2 Special hazards arising from the substance or mixture			
	Fire hazard:	Not flammable.		
	Explosion hazard:	Not available		
5.3	Advice for firefighters			
0.0	Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any		
		chemical fire. Prevent fire-fighting water from entering environment.		
	Protection during firefighting.	ection during firefighting. Do not enter fire area without proper protective equipment, including respiratory protecti		including respiratory protection.
SEC	TION 6 ; Accidental release measu	res		
6.1	Personal precautions, protective equipr	nent and emergency procedures		
	General measures:	Eliminate ignition sources. Evacuate area	a. Use protective clo	thing.
6.2	For non-emergency personnel			
0.2	Emergency procedures	Evacuate unnecessary personnel.		
6.3	For non-emergency responders			
0.0	Protective equipment	Equipment cleanup crew with proper		
	Emergency procedures	protection. Ventilate area.		
6.4				
6.4	Environmental precautions	Natify outbouiting if it and 1	on multility out t	
	Prevent entry to sewers and public waters.	Notify authorities if liquid enters sewers	or public waters.	
6.5	Methods and material for containment	and cleaning up		
	Methods for cleaning up	Soak up spills with inert solids, such as spillage. Store away from other material		s earth as soon as possible. Collect
6.6	Reference to other sections			

See Heading 8. Exposure controls and personal protection

SEC	SECTION 7 ; Handling and storage			
7.1	Precautions for safe handling			
	Precautions for safe handling	Wash hands and other exposed areas. With mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.		
	Hygiene measures	Wash exposed skin thoroughly after handling.		
7.2	7.2 Precautions for safe storage, including any incompatibilities			
	Storage conditions Incompatible products Incompatible materials	Keep only in the original container in a cool, well ventilated place away from: incompatible materials. Keep container closed when not in use. Strong bases. Strong acids. Sources of ignition. Direct sunlight.		
	1	sources of ignition, price sumply.		

7.3 Specific end use (s)

No additional information available

SECTION 8 ; Exposure controls/personal protection

8.1	Control parameters	
	fertilizer	
	ACGIH	Not applicable
	OSHA	Not applicable

8.2 Exposure controls

Appropriate engineering controls	Emergence eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal protective equipment	Avoid all unnecessary exposure.
Hand protection	Wear protective gloves.
Eye protection	Chemical goggles or safety glasses.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	Wear appropriate mask.
Other information	Do not eat, drink or smoke during use.

SECTION 9 ; Physical and chemical properties

e mixture:
; m:

9.1	Other information	
SEC	TION 10 ; Stability and reactivity	
10.1	Reactivity	
	No additional information available	
10.2	Chemical stability	
	Not established.	
10.3	Possibility of hazardous reactions	
	Not established.	
10.4	Conditions to avoid	
10 5	Direct sunlight. Extremely high or low temperatures.	
10.5	Incompatible materials	
	No additional information available	
	Strong acids. Strong bases.	
10.6	Hazardous decomposition products	
	Fume. Carbon monoxide. Carbon dioxide.	
SEC	TION 11 ; Toxicological information	
11.1	Information on toxicological effects	
	Acute toxically	Not classified
	Skin corrosion / irritation	Causes skin Irritation.
	Serious eye damage / irritation	Causes serious eye irritation.
	Respiratory or skin sensitization Germ cell mutagenicily	Not classified Not classified
	Serif een muugeneny	Based on available data, the classification criteria are not met.
	Carcinogenicity	Not classified
	Reproductive toxicity	Not classified
		Based on available data. the classification criteria are not met.
	Specific target organ toxically (single exposure)	Not classified
	Specific target organ toxically (repeated exposure)	Not classified
	Aspiration hazard	Not classified
	Potential adverse human health effects and	Based on available data the classification criteria are not met.
CEC	symptoms	
	TION 12 ; Ecological information	
12.1	Toxicity	
	Calcium Nitrate solution	
	LC50 fishes 1	162 mg/l (96 h; Pisces; Lethal)
	LC50 other aquatic organisms 1	39 mg/l (96 h; Daphnia magna)
	EC50 other aquatic organisms 1 LC50 fish 2	200 - 1000 mg/l (Plankton; Motivity test) 1378 mg/l (Poecilia reticulata)
	LC50 other aquatic organisms 2	490 mg/l (48 h; Daphnia magna)
	TLM fish 1	3000 mg/l (96 h; Lepomis macrochirus)
	TLM fish 2	162 mg/l (96 h; Gambusia affinis)
	Threshold limit other aquatic organisms 1	39 mg/l (96 h; Daphnia magna)
	Threshold limit other aquatic organisms 2	490 mg/l (48 h; Daphnia magna)
12.2	Persistence and degradability	
	Calcium Nitrate solution	
	Persistence and degradability	Not established.
	Calcium Nitrate solution	
	Biochemical oxygen demand (BOD)	Biodegradability: not applicable.
	Chemical oxygen demand (COD)	Not applicable
	THOD	Not applicable
	BOD (% of THOD)	Not applicable
		Not applicable

	Water (7732-18-5)	
	Persistence and degradability	Not established.
12.3	Bio accumulative potential	
	Calcium Nitrate solution	
	Bio accumulative potential	Not established
	Calcium Nitrate solution	
	Bio accumulative potential	No bio accumulation data available
	Water (7732-18-5)	
	Bio accumulative potential	Not established
12.4	Mobility in soil No additional information available	
12.5	Other adverse effects	
	Effect on ozone layer:	
	Effect on the global warming: Other information:	No known ecological damage caused by this product. Avoid release to the environment.
SEC	ΓΙΟΝ 13 ; Disposal considerations	
CLC.	Waste disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations.
	Ecology - waste materials:	Avoid release to the environment.
SEC	ΓΙΟΝ 14 ; Transport information	
	In accordance with DOT	
	Not regulated for transport	
	Additional information	
	Other information:	No supplementary information available.
	ADR No additional information available	
	Transport by sea No additional information available	
	Air transport No additional information available	
SEC	ΓΙΟΝ 15 ; Regulatory information	
15.1	US Federal regulations	
	Calcium Nitrate solution	
	Listed on the United States TSCA (Toxic Substances Con SARA Section 313 - Emission Reporting Water (7732-18-5)	ntrol Act) inventory 1 % Nitrate compounds (water dissociable)
	Listed on the United States TSCA (Toxic Substances Con	trol Act) inventory
15.2	US Federal regulations	
	CANADA	
	Calcium Nitrate solution WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
	Calcium Nitrate solution	Class D Division 2 Subdivision D - Toxic material causing other toxic effects
	Listed on the Canadian DSL (Domestic Substances List)	
	WHMIS Classification	Class C - Oxidizing Material
	Water (7732-18-5)	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
	Listed on the Canadian DSL (Domestic Substances List)	
	WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
	EU-Regulations	
	Classification according to Regulation (EC) No. 1272/20 Classification according to Directive 67/548/EEC or 199 Not classified	
15.3	National regulations	
	Calcium Nitrate solution	
	Not listed on the Canadian IDL (Ingredient Disclosure L	ist)
	Water (7732-18-5)	

SECTION 16 ; Other information

Indication of changes: Other information: Revision - See: *. None.

Full text of H-phrases: see section 16:

Eye Irrit 2A	Serious eye damage/eye irritation, Category 2A
Ox. Sol. 3	Oxidizing Solid's, Category 3
Skin Irrit 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity - Single exposure, Category 3,
	Respiratory tract irritation
H272	May intensify fire; oxidizer
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

NFPA health hazard

NFPA fire hazard NFPA reactivity 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

0-Materials that will по burn.

0-Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS 111 Rating Health Flammability Physical Personal Protection

1 Slight Hazard - Irritation or minor reversible injury possible 0 Minimal Hazard 0 Minimal Hazard B

SDS us (GHS HazCom 2012)

Information in this SDS is from available published source and is believed to be accurate. No warranty, express or implied, is made and Pure Green Agriculture Inc. assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.