SAFETY DATA SHEET Date Entered: 2/1/06 Revised: 4/26/17 PRODUCT AND COMPANY IDENTIFICATION English (1.) Trade Name: SERUM ACCELERATOR (2.) Chemical Name: Potassium Hydroxide (3.) Product Number: 5-730 (4) Chemical Family: alkaline reagent (5.) Chemical Formula: Proprietary Manufacturer: Serum Products, LLC 1355 West Oak Commons Lane Unit B SYSTEM Marietta 30062 U.S.A. +1 (678)-290-1880 U.S.A. (7.) Preparers Name: Bill Lyon Phone: +1 ((86)-6) -6078 Transportation: (800)-535-5053 (8.) Emergency Contact Phone Numbers: Medical: (866)-477-6078 HAZARDS IDENTIFICATION (1.) Hazardous Classification: Corrosive Liquid, GHS Classification: Acute Toxicity Oral (Category 3), Skin Corrosion (Category 1A), Serious eye damage (Category 2A), Acute aquatic toxicity (Category 3) (2.) Signal Word: Danger (3.) Hazardous Statement: H301: Toxic if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin. H319: Causes eye irritation. (4.) Precautionary Labeling: Harmful or fatal if swallowed. Causes severe eye injury. Avoid contact with skin HAZARD CLASS causes skin irritation and/or blistering. Do not ingest. Keep out of reach of children. Keep container tightly closed when not in use. Store container in cool dry areas. Store 8 at temperatures below 100° F. Do not dispose of the unused portions in water courses, **UN NUMBER** streams, rivers, estuaries and oceans. Do not reuse empty containers. Do not return unused in original packaging material. UN-1814 **EMERGENCY PHONE** (800)-535-5053 (5.) Description Other Hazards: not applicable (6.) Unknown Toxicity: not applicable COMPOSITION/INFORMATION ON INGREDIENTS Note: the list of all hazardous substances or CERCLA grreater 1% and carcinogens at 0.1% or greater. Hazardous Substances (3.)

(5.) (4.)(6.)(7.)(7.)(2.)SARA (1.) Ingrediente: Nota 313 CAS #: % range: PEL: LD50: TLV: Potassium Hydroxide Liquid No 1310-58-3 1-45 n/d 214mg/kg n/d

SERUM ACCELERATOR

Balance Nonhazardous

Balance Normazaradus	
Note:	

FIRST AID MEASURES	English
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- (2.) Eyes: X (3.) Skin: X (4.) Inhalation: (5.) Ingestion: (1.) Main entry routes into the body(s):
- (6.) Acute Effects:
- (7.) Eyes: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET MEDICAL ATTENTION IMMEDIATELY.
- (8.) Skin: Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry and shoes. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminated clothing before reuse.
- (9.)Inhalation: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Seek Immediate medical attention.
- (10.) Ingestion: DO NOT induce vomiting. Loosen tight clothing. Give victim plenty of water to dilute stomach contents. Seek immediate medical attention.
- (11.) Acute Symptoms: Risk of permanent corneal injury and possible blindness if splashed in the eyes
- (12.) Note to Physician:

The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage. Probable mucosal damage may contraindicate the use of gastric lavage.

FIRE FIGHTING MEASURES

(1.) Flammable Properties: Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. May react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas which can form explosive mixtures in air.

Extinguishing media

(2.) Suitable Extinguishing Media:

Use extinguishing agents appropriate for surrounding fire.

(3.) Unsuitable extinguishing media:

Do not use dry chemicals, CO2, Halon, foam or fire blanket

Protection of Fire Fighters

(4.) Protective Equipment:

Wear NIOSH approved positive pressure self-contained breathing apparatus operated in pressure demand mode. Avoid contact with skin.

(5.) Specific Hazards:

Move container from fire area if it can be done without risk. Cool containers with water.

SERUM ACCELERATOR

6	ACCIDENTAL REL	EASE MEASURES	English
(1.) Personal Precautions: Avoid	contact with skin.		
	Wear appropriate personal protecti contain spilled material with dikes, material may be removed with a vamaterial is alkaline and may raise t should be reported, if required, to a	sandbags, etc. Keep out of wacuum truck. Flush spill area che pH of surface waters with	with water, if appropriate. This
	The use of a low grade acid will acc to pH 7.0. Follow local, state and fe		cess. Solution should be neutralized .
7	HANDLING	ND CTODACE	
	HANDLING A	ND STORAGE	
labeled. Do not st	n accordance with all current regul fore in aluminum containers or use . Keep separated from incompatible	aluminum fittings or transfer	
	apor or mist. Do not get in eyes, o I to water to minimize heat generat		horoughly after handling. When
and use port	. Store container in cool dry areas.	out of reach of children. Keep Store at temperatures below ers, estuaries and oceans. Do	ct with skin causes skin irritation container tightly closed when not in 100° F. Do not dispose of the unused not reuse empty containers. Do not
8	Exposure Controls/	Personal Protection	
(1.) Ventilation: (2.) Local E	xhaust: (3.) General Exhaust:		
(5.) Personal Protection Equi		 -`- <i>-</i>	
) Full Face Respirator: (8.) F	Half Face Respirator: (9	.) Dust Particle Filter: X
Note:	· · · · · · · · · · · · · · · · · ·	· — ·	<u></u>
	ral rubber: (12.) Plastic: _X_ () Other:		e: _X_ (15.) Butyl:
(17.) Eye Protection: (18.) Glas	sses With Side Shields: X (19.) Other: None		Chemical Splash Goggles: X
(==-)			
(22.) Symbols Of PPE Require	d: (1)		
	CHEMICAL NAME:	ACGIH	OSHA
(23.) Engineering Controls:	Potassium Hydroxide	2mg/m³	2mg/m³

SERUM ACCELERATOR

9	PHYSICAL & CH	IEMICAL	PROPERTIES	English
(1.) Physical State: Liquid		_		
(2.) Appearance: Clear		_		
(3.) Odor: None		_		
(4.) Boiling Point: 289 °F	143°C			
(5.) Freeze Point:20°F	29°C			
(6.) Flash Point: No inflamable	e_ ⁰ F			
(7.) Specific Gravity: 1.45				
(8.) Density: 12.67 lbs./0	Gal.			
(9.) pH Neat: 13.5				
(10.) pH 1%: 13.0				
(11.) % Solids: 45.0%				
(12.) % Volatiles:55.0%	<u> </u>			
(13.) Solubility In Water:C	omplete			
(14.) Vapor Pressure: n/d				
(15.) Vapor Density: n/d				
(16.) Evaporation Rate: > 1 (b	outyl acetate = 1)		_	
(17.) VOC Less Exempt: <u>0.0</u>				_
(18.) VOC As Packaged: 0.0				
(19.) Viscosity: <u>500</u>				
10	HEMICAL STABILITY 8	& REACT	IVITY INFORMATIO	N
(1.) Thermal Stability: Stable				
(2.) Chemical Stability: Stable				
heat.	g with water, acid or incompatibl Will react with some metals for ct with reducing sugars, food and	ming flamma	ble hydrogen gas. Carbon i	5
(4.) Hazardous Decomposition	Products: None known			
(5.) Hazardous Polymerization	: (A) May Occur: (B) Will n	ot occur: X	_	
	Flammable liquids, Halogenated tin, zinc or other alkali sensitive i			minum, brass, bronze, copper,
(7.) Corrosive Action On Mater	rials: severe on aluminum			
(8.) Avoid: Aluminum				
11	TOXICOLOGI	CAL INFO	ORMATION	
(1.) Routs(s) of entry into the	body: (2.) Eyes: X (3.) Skin:	X (4.) Inha	lation: (5.) Ingestion:	
	es from this product could result			
(3.) Inhalation: Short term: dif	fficulty in breathing with nausea.	Long term:	Asphyxiation could occur.	
(4.) Skin: Incidental contact	will cause skin burning. Long	Term Conta	ect: may cause blistering an	ıd skin damage.
(5.) Ingestion: Harmful if swall	lowed. Large exposure could be	fatal.		
damage is a exposure th and is corro	ution, this material will affect all a function of its concentration, th here may be a time delay before i hisive to the skin, eyes and mucou damage to any tissue with which	e length of ti rritation and is membrane	ssue contact time, and local other effects occur. This m s. This material may cause	l tissue conditions. After naterial is a strong irritant

SERUM ACCELERATOR

(7.) Summary Of Health Effects:

SKIN: Immediate burning and possible blistering, Long-term damage to the epidermis or dermis could be possible. The **EYES:** Potassium Hydroxide can cause permanent corneal damage resulting in severe damage and possibly blindness. This product is not classified as a carcinogen by NTP, IARC or OSHA

12 ECOLOGICAL INFORMATION English

(1.) Environment:

Aquatic Toxicity: This material is alkaline and may raise the pH of surface waters with low buffering capacity. This material has exhibited moderate toxicity to aquatic organisms.

Freshwater Fish Toxicity: LC50 (Mosquito fish): 80 mg/L/96 hr (static bioassay in fresh water at 18-19C). LC50 (Fathead

Minnow): 179 mg/L/96 hr (static at 22.3-24.7 C)

Invertebrate Toxicity: EC50 (Daphnia magna): 60 mg/L/48 hr (static bioassay at 20.3-20.7 C) **Algae Toxicity:** ErC50 (selenastrum capricornutum): 61 mg/L/96 hr (static bioassay at 23-23.9 C)

FATE AND TRANSPORT: BIODEGRADATION: This material will disassociate into ionic from in the aquatic environment.

Natural carbon dioxide will slowly neutralize this material.

BIOCONCENTRATION: This material will not bioconcentrate.

ADDITIONAL ECOLOGICAL INFORMATION: This material has exhibited slight toxicity to terrestrial organisms.

ECOLOGICAL HAZARDS: this material has exhibited moderate toxicity to aquatic organisms.

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(1.) Waste Disposal:

Reuse or reprocess, if possible. Dispose in accordance with all applicable regulations. May be subject to disposal regulations

(2.) Legislation:

14 TRANSPORTATION INFORMATION

(1.) Indicate country agency/regulator that specifies requirements: U.S.A.-DOT

(2.) Proper Shipping Description:

UN-1814, POTASSIUM HYDROXIDE, SOLUTION, 8, PGIII, ERG:60, NMFC48580-03

(3.) Hazard Class:	8,	(4.) Hazard Number: UN-1814,	(5.) HazChem Code Number: N/D	
(6.) Packaging Group:	PG III,	(7.) Emergency Response Code:	ERG#60,	
(8.) Labels Required: C	ORROSIVE	<u> </u>		
(9.) Other Requirements	s: Do not	reuse containers. Dispose of accordi	ng to your local, state and Federal regulations.	
(10.) Note: DO NOT SH	HIP THIS	PRODUCT BY AIR SHIP GROUN	D ONLY	
For Limited	Quantity	/ Use:		

Item Name: Serum Accelerator, Item Number: 5-730-12, Container: Case, NMFC: 48580-03

SERUM ACCELERATOR

REGULATORY INFORMATION

English

(1.) Poison Schedule:

US REGULATIONS: OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): If a release is reportable under CERCLA section 103, notify the state emergency response commission and local emergency planning committee. In addition, notify the National Response Center at (800) 424-8802 or (202) 426-2675.

16

OTHER INFORMATION

(1.) Additional Information:

ACRONYMS:

ADB -Air Dry Basis

BEI - Biological Exposure Index (s)

CAS # - Chemical Abstract Service number - used to uniquely identify chemical compounds

CNS - Central Nervous System

IARC - International Agency for Research on Cancer

M - moles per liter concentration unit mg/m3 - Milligrams per cubic meter

NOS - Not specified

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (very alkaline)

ppm = parts per million

TWA / ES - Time Weighted Average or Exposure Standard.

IBC Code - International Bulk Chemical Code

IMDG - International Maritime Dangerous Goods Code

HEALTH EFFECTS OF EXPOSURE:

Note that the effects of exposure to this product will depend on several factors including: the frequency and duration of use; amount used; effectiveness of control measures; protective equipment used and method of application. Since it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users assess the risks and apply control methods where appropriate.

(2) Recommendations:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only . Factors such as method of application, working environment , quantity used , product concentration and the availability of engineering controls should be considered before making the final selection of personal protective equipment .

COLOUR RATING SYSTEM: All Chem Alert reports is rated green, amber or red for the sole purpose of providing users with a quick and easy way to determine the dangerousness of a product. Safe handling recommendations are provided in the Chem Alert reports so as to clearly identify how users can control the hazards and hence reduce the risk (or likelihood) of adverse effects. As a general guideline, rated Green indicates a low risk, a rating of amber indicates a moderate degree of risk and red indicates a high risk.

While all due care has been taken in whey products in the preparation of the Colour Rating System , intended as a guide only and serum makes no warranty regarding the accuracy of the color classification system . So it is legally possible , Serum accepts no responsibility or liability for acts or omissions of any person in reliance on the color classification system .

(3) Report Status:

This document has been prepared by whey products manufacturer of the product and serves as the manufacturer's safety data (SDS).

It is based on information concerning the product which has been provided by or obtained from whey products third party sources and is believed to represent the current state of knowledge about the safety measures and appropriate management for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from serum products.

While whey Products has taken due care to include up -to-date information in this MSDS accurate and makes no warranty as to the accuracy or completeness. So it is legally possible, whey products will accept no responsibility for any loss, injury or damage (including consequential loss) suffered or incurred by any person as a result of their reliance on the information contained in this MSDS

Chemical Alert Color: GREEN

Manufacturer:

Serum Productos, LLC

1355 West Oak Commons Lane Suite B

Marietta, GA 30062 USA

+1 678 290-1880 Phone

+1 678 290-1769 Fax

E-mail: info@serumsystem.com Web: www.serumsystem.com

SERUM ACCELERATOR

Reorder Number: 5-730

SDS Date: 4/26/17 End Report

n/d = Not Determined, n/a = Not Applicable

SAFETY DATA SHEET Date Entered: 2/1/06 Revised: 1/2/17 PRODUCT AND COMPANY IDENTIFICATION English (1.) Trade Name: **SERUM ACCELERATOR** (2.) Chemical Name: Potassium Hydroxide (3.) Product Number: 5-730-05 (4) Chemical Family: alkaline reagent (5.) Chemical Formula: Proprietary Manufacturer: Serum Products, LLC 1355 West Oak Commons Lane Unit B Marietta 30062 U.S.A. +1 (678)-290-1880 U.S.A. (7.) Preparers Name: Bill Lyon Phone: +1 ((86)-6) -6078 Transportation: (800)-535-5053 (8.) Emergency Contact Phone Numbers: Medical: (866)-477-6078 HAZARDS IDENTIFICATION (1.) Hazardous Classification: Corrosive Liquid, GHS Classification: Acute Toxicity Oral (Category 3), Skin Corrosion (Category 1A), Serious eye damage (Category 2A), Acute aquatic toxicity (Category 3) (2.) Signal Word: Danger (3.) Hazardous Statement: H301: Toxic if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin. H319: Causes eye irritation. (4.) Precautionary Labeling: Harmful or fatal if swallowed. Causes severe eye injury. Avoid contact with skin HAZARD CLASS causes skin irritation and/or blistering. Do not ingest. Keep out of reach of children. Keep container tightly closed when not in use. Store container in cool dry areas. Store 8 at temperatures below 100° F. Do not dispose of the unused portions in water courses, **UN NUMBER** streams, rivers, estuaries and oceans. Do not reuse empty containers. Do not return unused in original packaging material. UN-1814 **EMERGENCY PHONE** (800)-535-5053 (5.) Description Other Hazards: not applicable (6.) Unknown Toxicity: not applicable COMPOSITION/INFORMATION ON INGREDIENTS Note: the list of all hazardous substances or CERCLA greater 1% and carcinogens at 0.1% or greater.

Hazardous Substances	(2	(3.) SAR <i>A</i> ((4.)	(5.)	(6.)	(7.)	(7.)
(1.)Ingrediente:	Nota	313	CAS #:	% range		LD50:	TLV:
Potassium Hydroxide Liquid		No	1310-58-3	1-45	n/d	214mg/kg	n/d
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SERUM ACCELERATOR

Balance Nonhazardous

Note:				
4		FIRST AID MEASURES		English
(1.) Main entry	routes into the body(s):	(2.) Eyes: X (3.) Skin: X (4.)	Inhalation:	(5.) Ingestion:
(6.) Acute Effec	ts:			
comp		ed stream of water for at least 15 min tissues. Washing eyes within several IION IMMEDIATELY.		
		as with water. Remove contaminated ater. Thoroughly clean and dry contai		
(9.)Inhalation:	•	re to uncontaminated area. Give artifi ninistered by qualified personnel. Seel	•	3
(10.) Ingestion:	DO NOT induce vomiting. Loos immediate medical attention.	sen tight clothing. Give victim plenty o	f water to dilut	te stomach contents. Seek
(11.) Acute Syn	nptoms: Risk of permanent corr	neal injury and possible blindness if sp	lashed in the e	yes
	•	ourns does NOT reliably exclude the proof gastric lavage.	esence of actu	al tissue damage. Probable
5	FI	RE FIGHTING MEASURES		
(1.) Flammable	Properties: Non-combustible, s	ubstance itself does not burn but may	decompose up	oon heating to produce

(1.) Flammable Properties: Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. May react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas which can form explosive mixtures in air.

Extinguishing media

(2.) Suitable Extinguishing Media:

Use extinguishing agents appropriate for surrounding fire.

(3.) Unsuitable extinguishing media:

Do not use dry chemicals, CO2, Halon, foam or fire blanket

Protection of Fire Fighters

(4.) Protective Equipment:

Wear NIOSH approved positive pressure self-contained breathing apparatus operated in pressure demand mode. Avoid contact with skin.

(5.) Specific Hazards:

Move container from fire area if it can be done without risk. Cool containers with water.

SERUM ACCELERATOR

. 6	ACCIDENTAL REL	EASE MEASURES	English
(1.) Personal Precautions: Avoid	d contact with skin.		
(2.) Environmental Precautions	: Wear appropriate personal protective contain spilled material with dikes, material may be removed with a variaterial is alkaline and may raise to should be reported, if required, to a	sandbags, etc. Keep out of vacuum truck. Flush spill area the pH of surface waters with	with water, if appropriate. This
(3.) Waste Disposal Method:	The use of a low grade acid will acc to pH 7.0. Follow local, state and fe		ocess. Solution should be neutralized l.
7	HANDLING A	ND STORAGE	
labeled. Do not	e in accordance with all current regula store in aluminum containers or use d. Keep separated from incompatibl	aluminum fittings or transfer	lines, as flammable hydrogen gas
	vapor or mist. Do not get in eyes, or Id to water to minimize heat generat		thoroughly after handling. When
an us po	e. Store container in cool dry areas.	out of reach of children. Keep Store at temperatures below ers, estuaries and oceans. Do	act with skin causes skin irritation o container tightly closed when not in 100° F. Do not dispose of the unused o not reuse empty containers. Do not
8	Exposure Controls/	Personal Protection	
(1.) Ventilation: (2.) Local	Exhaust: (3.) General Exhaust:		
(5.) Personal Protection Equ			.) Dust Particle Filter: X
	ural rubber: (12.) Plastic: _X_ (5.) Other:		ne:X (15.) Butyl:
(17.) Eye Protection: (18.) Gl	asses With Side Shields: X (19.) .) Other: None		Chemical Splash Goggles:X
(22.) Symbols Of PPE Requir	ed:		
	CHEMICAL NAME:	ACGIH	OSHA
(23.) Engineering Controls:	Potassium Hydroxide	2mg/m ³	2mg/m³
(20.) Engineering controls.			

SERUM ACCELERATOR

9	PHYSICAL & CH	EMICAL P	ROPERTIES	English
(1.) Physical State: Liquid				
(2.) Appearance: Clear				
(3.) Odor: None				
(4.) Boiling Point: 289 °F	143 °C			
(5.) Freeze Point:20°F	-29 °C			
(6.) Flash Point: No inflamable	°F			
(7.) Specific Gravity: 1.45	_			
(8.) Density: <u>12.67</u> lbs./Ga	l.			
(9.) pH Neat:13.5				
(10.) pH 1%: <u>13.0</u>				
(11.) % Solids: 45.0%				
(12.) % Volatiles:55.0%				
(13.) Solubility In Water:Con	nplete			
(14.) Vapor Pressure: n/d				
(15.) Vapor Density: n/d				
(16.) Evaporation Rate: > 1 (but	yl acetate = 1)			
(17.) VOC Less Exempt: <u>0.0</u>				_
(18.) VOC As Packaged: 0.0				
(19.) Viscosity: <u>500</u>				
10 CH	EMICAL STABILITY &	REACTI\	/ITY INFORMATIC	N
(1.) Thermal Stability: Stable				
(2.) Chemical Stability: Stable				
	with water, acid or incompatible Vill react with some metals form with reducing sugars, food and	ing flammabl	e hydrogen gas. Carbon r	5
(4.) Hazardous Decomposition Pr	oducts: None known			
(5.) Hazardous Polymerization: (A) May Occur: (B) Will no	t occur: X		
(6.) Materials To Avoid: Acids, Fl lead, tin	ammable liquids, Halogenated (, zinc or other alkali sensitive m			ninum, brass, bronze, copper,
(7.) Corrosive Action On Material	s: severe on aluminum			
(8.) Avoid: Aluminum				
11	TOXICOLOGIC	CAL INFO	RMATION	
(1.) Routs(s) of entry into the bo	dy: (2.) Eyes: X (3.) Skin: X	((4.)Inhala	ition: (5.) Ingestion:	
(2.) Eyes: Contact with the eyes				
(3.) Inhalation: Short term: diffic	culty in breathing with nausea.	Long term: A	sphyxiation could occur.	
(4.) Skin: Incidental contact: v	vill cause skin burning. Long	Term Contac	t: may cause blistering an	d skin damage.
(5.) Ingestion: Harmful if swallov	ved. Large exposure could be f	atal.		
exposure ther and is corrosiv	ion, this material will affect all t unction of its concentration, the e may be a time delay before in the to the skin, eyes and mucous mage to any tissue with which	length of tiss ritation and o membranes.	sue contact time, and local ther effects occur. This m This material may cause	l tissue conditions. After naterial is a strong irritant

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SERUM ACCELERATOR

(7.) Summary Of Health Effects:

SKIN: Immediate burning and possible blistering, Long-term damage to the epidermis or dermis could be possible. The **EYES:** Potassium Hydroxide can cause permanent corneal damage resulting in severe damage and possibly blindness. This product is not classified as a carcinogen by NTP, IARC or OSHA

12 ECOLOGICAL INFORMATION English

(1.) Environment:

Aquatic Toxicity: This material is alkaline and may raise the pH of surface waters with low buffering capacity. This material has exhibited moderate toxicity to aquatic organisms.

Freshwater Fish Toxicity: LC50 (Mosquito fish): 80 mg/L/96 hr (static bioassay in fresh water at 18-19C). LC50 (Fathead

Minnow): 179 mg/L/96 hr (static at 22.3-24.7 C)

Invertebrate Toxicity: EC50 (Daphnia magna): 60 mg/L/48 hr (static bioassay at 20.3-20.7 C) **Algae Toxicity:** ErC50 (selenastrum capricornutum): 61 mg/L/96 hr (static bioassay at 23-23.9 C)

FATE AND TRANSPORT: BIODEGRADATION: This material will disassociate into ionic from in the aquatic environment.

Natural carbon dioxide will slowly neutralize this material.

BIOCONCENTRATION: This material will not bioconcentrate.

ADDITIONAL ECOLOGICAL INFORMATION: This material has exhibited slight toxicity to terrestrial organisms.

ECOLOGICAL HAZARDS: this material has exhibited moderate toxicity to aquatic organisms.

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	Ю.	DISPUASAL	CONSIDERATIONS

(1.) Waste Disposal:

Reuse or reprocess, if possible. Dispose in accordance with all applicable regulations. May be subject to disposal regulations

(2.) Legislation:

14 TRANSPORTATION INFORMATION

(1.) Indicate country agency/regulator that specifies requirements: U.S.A.-DOT

(2.) Proper Shipping Description:

UN-1814, Corrosive Liquid, N.O.S., (Potassium Hydroxide), 8, PG III, ERG#60, Item Name: Serum Accelerator, Item Number: 5-730-05, Container:Pail, NMFC:48580-03

	<u> </u>
) Labels Required: Corrosive	
).) Other Requirements: Do not reuse containers. Dispose of according to your l	ocal, state and Federal regulations

SERUM ACCELERATOR

(1.) Poison Schedule:

REGULATORY INFORMATION

English

US REGULATIONS: OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): If a release is reportable under CERCLA section 103, notify the state emergency response commission and local emergency planning committee. In addition, notify the National Response Center at (800) 424-8802 or (202) 426-2675.

16

OTHER INFORMATION

(1.) Additional Information:

ACRONYMS:

ADB -Air Dry Basis

BEI - Biological Exposure Index (s)

CAS # - Chemical Abstract Service number - used to uniquely identify chemical compounds

CNS - Central Nervous System

IARC - International Agency for Research on Cancer

M - moles per liter concentration unit mg/m3 - Milligrams per cubic meter

NOS - Not specified

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (very alkaline)

ppm = parts per million

TWA / ES - Time Weighted Average or Exposure Standard.

IBC Code - International Bulk Chemical Code

IMDG - International Maritime Dangerous Goods Code

HEALTH EFFECTS OF EXPOSURE:

Note that the effects of exposure to this product will depend on several factors including: the frequency and duration of use; amount used; effectiveness of control measures; protective equipment used and method of application. Since it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users assess the risks and apply control methods where appropriate.

(2) Recommendations:

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COLOUR RATING SYSTEM: All Chem Alert reports is rated green, amber or red for the sole purpose of providing users with a quick and easy way to determine the dangerousness of a product. Safe handling recommendations are provided in the Chem Alert reports so as to clearly identify how users can control the hazards and hence reduce the risk (or likelihood) of adverse effects. As a general guideline, rated Green indicates a low risk, a rating of amber indicates a moderate degree of risk and red indicates a high risk.

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(3) Report Status:

This document has been prepared by whey products manufacturer of the product and serves as the manufacturer's safety data (SDS).

It is based on information concerning the product which has been provided by or obtained from whey products third party sources and is believed to represent the current state of knowledge about the safety measures and appropriate management for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from serum products.

While whey Products has taken due care to include up -to-date information in this MSDS accurate and makes no warranty as to the accuracy or completeness. So it is legally possible, whey products will accept no responsibility for any loss, injury or damage (including consequential loss) suffered or incurred by any person as a result of their reliance on the information contained in this MSDS

Chemical Alert Color: GREEN

Manufacturer:

Serum Productos, LLC

1355 West Oak Commons Lane Suite B

Marietta, GA 30062

+1 678 290-1880 Phone

+1 678 290-1769 Fax

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SERUM ACCELERATOR

Reorder Number: 5-730-05

SDS Date: 1/2/17 End Report

n/d = Not Determined, n/a = Not Applicable

12