

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/14/2020 Version: 1.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : Avian Super Pack™

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Water Soluble Vitamin and Electrolyte Pack for Poultry

1.3. Details of the supplier of the safety data sheet

Animal Science Products, Inc. 3418 Rayburn Drive Nacogdoches, TX 75961 Phone: 936.560.0003

1.4. Emergency telephone number

Emergency number : 24 Hour Contact - Infotrac

Domestic contact: 800-535-5053 International contact: +1-352-323-3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Eye Irrit. 2A H319 Repr. 1B H360

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



GHS07



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H319 - Causes serious eye irritation

H360 - May damage fertility or the unborn child

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P264 - Wash hands and other exposed areas thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing

P308 + P313 - If exposed or concerned: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

None of the ingredients are of unknown toxicity

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable - the product is a mixture

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3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Potassium chloride	(CAS No) 7447-40-7	38	Eye Irrit. 2A, H319
Nicotinamide	(CAS No) 98-92-0	11.0 - 14.7	Eye Irrit. 2A, H319
Retinol, acetate	(CAS No) 127-47-9	0.7 - 1.4	Repr. 1B, H360

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get

medical advice/attention.

First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed

by warm water rinse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : May damage fertility or the unborn child.

Symptoms/injuries after eye contact : Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Use suitable extinguishing agent for

surrounding fire as product is not flammable.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

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 : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if material enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

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 work area. Do not handle until all

safety precautions have been read and understood.

: Wash hands and other exposed areas thoroughly after handling. Hygiene measures

Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when

not in use.

Incompatible products : None known. Incompatible materials None known.

Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

Control parameters

Avian Super Pack™	
ACGIH	Not applicable
OSHA	Not applicable

Potassium chloride (7447-40-7)

ACGIN	Not applicable
OSHA	Not applicable

Nicotinamide (98-92-0)	
ACGIH	Not applicable
OSHA	Not applicable

Retinol, acetate (127-47-9)	
ACGIH	Not applicable
OSHA	Not applicable

Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Not typically required.

Other information Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Solid Appearance : Powder. Color : Light Yellow

Odor : Characteristic vitamin aroma

Odor threshold No data available рΗ : No data available

: > 149 °C Melting point

: No data available Freezing point Boiling point : No data available Flash point No data available Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : No data available **Explosion limits** : No data available

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Explosive properties : No data available
Oxidizing properties : No data available
Vapor pressure : No data available

Relative density : 0.68

Relative vapor density at 20 °C : No data available

Solubility : Completely soluble in water

Log Pow : No data available
Log Kow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Product is stable under normal use and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

None known.

Carcinogenicity

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Potassium chloride (7447-40-7)	
LD50 oral rat	2600 mg/kg
ATE US (oral)	2600.000 mg/kg body weight
Nicotinamide (98-92-0)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	3500.000 mg/kg body weight
Retinol, acetate (127-47-9)	
LD50 oral rat	4980 mg/kg
ATE US (oral)	4980.000 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified

Reproductive toxicity : May damage fertility or the unborn child.

: Not classified

Specific target organ toxicity (single exposure) : Not classified

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Specific target organ toxicity (repeated

exposure)

: Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and

symptoms

: No additional information available

Symptoms/injuries after eye contact : Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Potassium chloride (7447-40-7)	
LC50 fish 1	1060 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	825 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	2500 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
LC50 fish 2	750 - 1020 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Nicotinamide (98-92-0)	
LC50 fish 1	> 1000 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static])

12.2. Persistence and degradability

Avian Super Pack™	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Avian Super Pack™	
Bioaccumulative potential	Not established.
Detiral	

Retinol, acetate (127-47-9)

Log Pow 9.4 (at 25 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local, state and federal regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT Not regulated for transport

Additional information

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

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SECTION 15: Regulatory information

15.1. US Federal regulations

Avian Super Pack™	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
	Delayed (chronic) health hazard

Potassium chloride (7447-40-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Nicotinamide (98-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Retinol, acetate (127-47-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Potassium chloride (7447-40-7)	
Listed on the Canadian DSL (Domestic Sustances List)	
WHMIS Classification Uncontrolled product according to WHMIS classification criteria	
Nicotinamide (98-92-0)	
Listed on the Canadian DSL (Domestic Sustances List)	
WHMIS Classification Uncontrolled product according to WHMIS classification criteria	
Retinol, acetate (127-47-9)	
Listed on the Canadian DSL (Domestic Sustances List)	

EU-Regulations

Potassium chloride (7447-40-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Nicotinamide (98-92-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Retinol, acetate (127-47-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

National regulations

Potassium chloride (7447-40-7)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Nicotinamide (98-92-0)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on INSQ (Mexican national Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

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Retinol, acetate (127-47-9)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on INSQ (Mexican national Inventory of Chemical Substances)

Listed on Turkish inventory of chemical

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Repr. 1B	Reproductive toxicity Category 1B
H319	Causes serious eye irritation
H360	May damage fertility or the unborn child

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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