

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 09/15/2015

Reviewed on 09/15/2015

1 Identification

- **Product identifier**
- **Trade name:** VITAMIN E,K,A,D3 PKS
- **Article number:** EZP-006
- **Recommended use and restriction on use**
- **Recommended use:** animal feed additive
- **Restrictions on use:** Contact manufacturer.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
EZ PAK, LLC
P.O. BOX 185
JEFFERSON, GA 30549
- **Distributor:**
Clear View Enterprises, LLC
451 Agnes Drive Tontitown, AR 72770
(800) 255-3924
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Repr. 1A H360-H362 May damage fertility or the unborn child. May cause harm to breast-fed children.

Eye Irrit. 2B H320 Causes eye irritation.

- **Additional information:**

0 % of the mixture consists of component(s) of unknown toxicity.

There are no other hazards not otherwise classified that have been identified.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS08

- **Signal word:** Danger

- **Hazard-determining components of labeling:**

retinol

cholecalciferol

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- **Hazard statements:**

H320 Causes eye irritation.
 H360-H362 May damage fertility or the unborn child. May cause harm to breast-fed children.

- **Precautionary statements:**

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P263 Avoid contact during pregnancy/while nursing.
 P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P270 Do not eat, drink or smoke when using this product.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system**

- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



* - Indicates a long term health hazard from repeated or prolonged exposures.

- **Other hazards**

- **Results of PBT and vPvB assessment:**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

7447-40-7	potassium chloride	25-50%
	Eye Irrit. 2B, H320	
68-26-8	retinol	2.5-10%
	Repr. 1A, H360	
	Acute Tox. 4, H302	

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130-37-0	menadione-sodium-bisulfite ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	2.5-10%
67-97-0	cholecalciferol ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330 ⚠ STOT RE 1, H372	≤ 2.5%

- **Additional information:**

For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Adverse health effects are not reasonably expected from normal use of product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

- **After skin contact:**

Brush off loose particles from skin.

Immediately rinse with water.

If skin irritation is experienced, consult a doctor.

- **After eye contact:**

Remove contact lenses if worn, if possible.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Product is indicated for oral usage. In cases of overingestions or pediatric ingestions, DO NOT INDUCE VOMITING. Contact a physician or hospital.

- **Information for doctor**

- **Most important symptoms and effects, both acute and delayed:**

Adverse health effects are not reasonably expected from normal use of product.

Breathing difficulty

Coughing

Irritant to eyes.

Slight irritant effect on skin and mucous membranes.

- **Danger:**

May damage fertility or the unborn child.

May cause harm to breast-fed children.

- **Indication of any immediate medical attention and special treatment needed:**

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

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- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:** Eliminate all ignition sources if safe to do so.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Avoid formation of dust.
Use personal protective equipment as required.
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose contaminated material as waste according to item 13.
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
Use only in well ventilated areas.
Prevent formation of dust.
Any deposit of dust which cannot be avoided must be regularly removed.
- **Information about protection against explosions and fires:**
Keep respiratory protective device available.
Avoid dust cloud formation. Keep ignition sources away. No smoking.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Provide ventilation for receptacles.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Do not store together with acids.
Do not store together with alkalis (caustic solutions).
Store away from oxidizing agents.
- **Further information about storage conditions:** Protect from humidity and water.

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- **Specific end use(s):** No relevant information available.

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8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not breathe dust.
Avoid contact with the eyes and skin.
Pregnant women should strictly avoid inhalation or skin contact.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:** Gloves not required under normal conditions of use.
- **Eye protection:**



Safety glasses

- **Body protection:**
Not required under normal conditions of use.
Protection may be required for spills.
- **Limitation and supervision of exposure into the environment** Avoid release to the environment.
- **Risk management measures** See Section 7 for additional information.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General information**
- **Appearance:**

Form:	Solid
Color:	According to product specification
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition:**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Not determined.

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- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Auto-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Oxidizing properties** Non-oxidizing.
- **Vapor pressure:** Not determined.
- **Density:** Not determined.
- **Relative density:** Not determined.
- **Vapor density:** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with:**
 - Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not applicable.
 - Kinematic:** Not applicable.
- **Other information** No relevant information available.

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:**
Reacts with strong acids and alkali.
Reacts with strong oxidizing agents.
As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.
- **Conditions to avoid:**
Moisture.
Prevent formation of dust.
Avoid acids.
Store away from oxidizing agents.
- **Incompatible materials:** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide

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Possible in traces:
 Nitrogen oxides (NOx)
 Sulfur oxides (SOx)
 Phosphorus oxides (e.g. P2O5)
 Toxic metal compounds

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

68-26-8 retinol

Oral	LD50	2000 mg/kg (rat)
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67-97-0 cholecalciferol

Oral	LD50	42 mg/kg (rat)
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- **Primary irritant effect:**

- **on the skin:** Slight irritant effect on skin and mucous membranes.

- **on the eye:** Irritating effect.

- **Sensitization:** Based on available data, the classification criteria are not met.

- **Additional toxicological information:**

Harmful

Danger through skin absorption.

The product can cause deformations.

Toxic and/or corrosive effects may be delayed up to 24 hours.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Probable route(s) of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):** Irritating to eyes.

- **Repeated dose toxicity:** Danger of very serious irreversible effects.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Repr. 1A

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

- **Carcinogenicity:** Based on available data, the classification criteria are not met.

- **Reproductive toxicity:**

May damage fertility or the unborn child.

May cause harm to breast-fed children.

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- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No relevant information available.
- **Persistence and degradability:** No relevant information available.
- **Behavior in environmental systems**
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Other adverse effects:** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Smaller quantities can be disposed of with household waste.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal in accordance with official regulations.

14 Transport information

- | | |
|-------------------------------------|----------------|
| · UN-Number | |
| · DOT, ADR, IMDG, IATA | Not Regulated. |
| · UN proper shipping name | |
| · DOT, ADR, IMDG, IATA | Not Regulated. |
| · Transport hazard class(es) | |
| · DOT, ADR, IMDG, IATA | |
| · Class | Not Regulated. |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Not Regulated. |
| · Environmental hazards | |
| · Marine pollutant: | No |

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- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation"** Not Regulated.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

- **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 304 (emergency release notification):**

None of the ingredients are listed.

- **Sections 311/312 (hazardous chemical threshold planning quantity in pounds):**

None of the ingredients are listed.

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

- **Proposition 65 (California)**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

68-26-8 | retinol

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

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- **Canadian substance listings**

· Canadian Domestic Substances List (DSL):
All ingredients are listed.

· Canadian Ingredient Disclosure list (limit 0.1%):
None of the ingredients are listed.

· Canadian Ingredient Disclosure list (limit 1%):
None of the ingredients are listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 09/15/2015 / -

- **Abbreviations and acronyms:**

Acute Tox. 3: Acute toxicity, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Acute Tox. 2: Acute toxicity, Hazard Category 2

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

Repr. 1A: Reproductive toxicity, Hazard Category 1A

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

- **Sources**

SDS Prepared by:

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