

**FSS Hydrolyzed HYA AKG**
**Page: 1/7**

Date: 06/07/2023

Version: 2

Cancels and replaces version: 1

## SECTION 1. IDENTIFICATION

**Product Name/Identifier** FSS Hydrolyzed HYA AKG  
**Product Code** FSSD22022

**Recommended Use** Ingredient for cosmetics

**Supplier Site** Formulator Sample Shop  
**Address** 135 Joshua Court  
 Lincolnton, NC 28092, USA

**Telephone No. (24hrs)** 1-704-276-7540

**Emergency Telephone #** 1-704-276-7540 (Mon-Fri: 8:00AM – 5:00PM EST)

## SECTION 2. HAZARD(S) IDENTIFICATION

\*About 0.1 ~ 1.0% of ethanol (CAS# 64-17-5) remains in the final product.  
 (The is ethanol used in the purification process, and after drying remains about 0.1 ~ 1.0% in the final product)

### Hazard of ethanol according to GHS classification is as follows:

Hazard categories according to GHS classification (Ethanol: as a residue of about 1.0%)

Physical Hazards: Not hazardous substance according to GHS

Health Hazards: Serious eye damage/eye irritation: Category 2B

Carcinogenicity: Category 1A

Reproductive toxicity: Category 1A

Specific target organ toxicity, repeated exposure: Category 1 (liver)

Category 2 (central nervous system)

### GHS-Labeling:

#### Pictograph:



**Signal Word:** Danger

**Hazard statements:**  
 H320: Causes eye irritation  
 H350: May cause cancer  
 H360: May damage fertility or the unborn child  
 H372: Cause damage to organs (liver and/or central nervous system) through prolonged or repeated exposure

This information is presented in good faith but is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied.  
 This information is offered solely for your investigation, verification, and consideration.

**FSS Hydrolyzed HYA AKG**
**Page: 2/7**

Date: 06/07/2023

Version: 2

Cancels and replaces version: 1

**Precautionary statements: Obtain SDS before use:**

**Prevention:** P202: Do not handle all safety precautions have been read and understood  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray  
 P264: Wash hands/skin thoroughly after handling  
 P270: Do not eat, drink or smoke when using this product  
 P280: Wear protective gloves/protective clothing/eye protection/face protection

**Response:** 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: If exposed or concerned, get medical advice/attention  
 P314: Get medical advice/attention if you feel unwell  
 P337: If eye irritation persists: get medical advice/attention

**Storage:** P405: Store locked up

**Disposal:** P501: Dispose of contents/container in accordance with local/regional/national/international regulation

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**
**Common Chemical Name:** C12-13 Alkyl Glyceryl Hydrolyzed Hyaluronate

**Generic name:**
**Chemical Family:** Mono-substance

**Description:** Substance

<u>Substance</u>	<u>CAS Numbers</u>	<u>EC Numbers</u>	<u>Percentage</u>
C12-13 Alkyl Glyceryl Hydrolyzed Hyaluronate	1715922-36-3	N/A	100.00%

\*Note: About 0.1 ~ 1.0% of ethanol (CAS# 64-17-5) remains in the final product. (The ethanol is used in the purification process, after drying remains about 0.1 ~ 1.0% in the final product)

**Formula:** Not applicable

**SECTION 4. FIRST-AID MEASURES**

**Inhalation:** Gargle and blow nose. If you feel unwell during use, immediately stop the work and remove from exposure area. If feeling unwell persists, get medical attention.

**Skin contact:** Rinse with water. Get medical advice if irritation develops.

**Eye contact:** Immediately cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If necessary, consult with a physician.

**Ingestion:** Gargle and wash with water. Consult with a physician.

This information is presented in good faith but is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied.  
 This information is offered solely for your investigation, verification, and consideration.

**FSS Hydrolyzed HYA AKG****Page: 3/7**

Date: 06/07/2023

Version: 2

Cancels and replaces version: 1

**SECTION 5. FIRE-FIGHTING MEASURES**

<b>Flammable properties:</b>	Not flammable
<b>Extinguishing media:</b>	
Suitable:	Water, sand, dry powder, foam and so on
Not suitable:	None known
<b>Fire fighting:</b>	Sprinkle and/or spread extinguishing media to the fire sources.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions:</b>	Wear necessary protective equipment (Refer to Section 8)
<b>Environmental precautions:</b>	Do not let product enter drains, sewers or streams
<b>Methods for cleaning up:</b>	Wipe off the spilled material, then wash off with water.

**SECTION 7. HANDLING AND STORAGE****Handling**

Technical measures:	Pay attention not to raise the dust during using. Wear necessary protective equipment (Refer to Section 8)
---------------------	---

**Storage**

Technical measures:	Keep container closed.
Recommended Storage Conditions:	Store at ordinary temperature and keep it away from high temperature and direct sunlight.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering controls:	Not specially needed.
<b>Personal Protective Equipment:</b>	Wear the necessary protective equipment (protection against dust, mask, protective eye glasses and protective gloves, etc.)

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	White to pale yellow powder
<b>Odor:</b>	Slight, Characteristic
<b>pH (0.1% + 100):</b>	4.5 – 7.5
<b>Loss on Drying:</b>	10.0% Maximum

This information is presented in good faith but is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied.  
This information is offered solely for your investigation, verification, and consideration.

**FSS Hydrolyzed HYA AKG**
**Page: 4/7**

Date: 06/07/2023

Version: 2

Cancels and replaces version: 1

<b>Nitrogen:</b>	2.7 – 3.7%
<b>Glucuronic Acid:</b>	38.0 – 48.0%
<b>Kinematic Viscosity (1% Solution, 30°C):</b>	1.5 mm <sup>2</sup> /s Maximum
<b>% of Modification:</b>	5 – 15%
<b>Identification (1) ~ (3):</b>	Pass
<b>Heavy Metals:</b>	< 20 ppm
<b>Arsenic:</b>	< 2 ppm
<b>Microbial Content:</b>	< 100 CFU/g; No pathogens
<b>Yeast &amp; Mold:</b>	< 100 CFU/g
<b>E. Coli:</b>	Negative
<b>Specific Gravity:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Boiling Point:</b>	No data available
<b>Freezing Point:</b>	No data available
<b>Melting Point:</b>	No data available
<b>Flash point:</b>	No data available
<b>Solubility:</b>	
In water:	Soluble
In organic solvents:	Insoluble
Log P:	No data available

## SECTION 10. STABILITY AND REACTIVITY

**Stability:** Stable under ordinary conditions

**Conditions/materials to avoid:** Not specially needed.

**Hazardous polymerization products:** Hazardous polymerization will not occur

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity:** No data available

**Skin irritation test:**

Skin irritation test: Negative

Human patch test: Negative

This information is presented in good faith but is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied.  
 This information is offered solely for your investigation, verification, and consideration.

**FSS Hydrolyzed HYA AKG**
**Page: 5/7**

Date: 06/07/2023

Version: 2

Cancels and replaces version: 1

<b>Acute eye irritation test:</b>	Negative (BCOP Test)
<b>Skin sensitization test:</b>	Negative (LLNA Test)

<b>Particular target toxicity:</b>	No data available
<b>Respiratory organs toxicity:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Reproductive &amp; developmental toxicity study:</b>	No data available

<b>Mutagenicity study:</b>	
AMES:	Negative

**Serious eye damage/eye irritation:** Category 2B  
 Two draize tests were operated on rabbits, and they showed moderate irritation (SIDS).

**Carcinogenicity:** Category 1A  
 For the carcinogenicity of taking ethanol contained in alcoholic beverages, it is rated by many data from epidemiologic studies as sufficient evidences (IARC).

**Reproductive toxicity:** Category 1A  
 It is well known that taking ethanol prenatally causes fetal alcohol syndrome and so-called congenital malformation (PATY). In addition, fetal alcohol syndrome is associated with the women who drank a lot and the ones who drank chronically with alcohol dependency.

**Specific target organ toxicity, repeated exposure:** Category 1 (liver), Category 2 (central nervous system)  
 It has been assessed that, for human, long-term and high intake of alcohol will cause liver lesion (DFGOT). In addition, there will cause withdrawal symptom on alcohol abuser and alcoholic (tremor symptoms, epilepsy and metal confusion) (HSDB).

## SECTION 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Mobility in soil:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

Comply with local/regional/national/international regulations.

## SECTION 14. TRANSPORT INFORMATION

**International regulation:**  
**ICAO/IATA:** There is no special restriction during air transportation regarding this material.

**FSS Hydrolyzed HYA AKG**
**Page: 6/7**

Date: 06/07/2023

Version: 2

Cancels and replaces version: 1

**UN Number:** This material does not correspond to hazardous material defined in UN Warning  
**UN Category:** This material does not correspond to hazardous material defined in UN Warning

**IMDG:** There is no special restriction during sea transportation regarding this material.

**Safety Precautions During Transport:** Keep away from high temperature and moisture. Avoid direct sunlight.  
 Confirm any damage and leaking of container before transportation.  
 Prevent fall, or drop to avoid getting any damage to container.  
 When loading, be careful not to collapse cargo stacks.

## SECTION 15. REGULATORY INFORMATION

**Refer to any other national measures that may be relevant**

**Other regulations:**

EINECS inventory status:	C12-13 Alkyl Glyceryl Hydrolyzed Hyaluronate: N/A
TSCA inventory status:	Exempt
AICS inventory status:	Not Listed: 1715922-36-3
Canadian (CEPA DSL) inventory status:	Not Listed: C12-13 Alkyl Glyceryl Hydrolyzed Hyaluronate (1715922-36-3)
Japan (MITI list):	C12-13 Alkyl Glyceryl Hydrolyzed Hyaluronate
Korea:	C12-13 Alkyl Glyceryl Hydrolyzed Hyaluronate <sup>^</sup>
China inventory status:	Not Listed: C12-13 Alkyl Glyceryl Hydrolyzed Hyaluronate
Philippines inventory status:	Not Listed: C12-13 Alkyl Glyceryl Hydrolyzed Hyaluronate (1715922-36-3)

\*Listed on 2010 INCI Standard Chinese Name Directory

\*\*Not listed on Cosmetic-Info database (or) on Restricted List

<sup>^</sup>Not listed in 2004 CTFA Dictionary – Registered with Personal Care Products Council

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the products described in this sheet. The user's attention is drawn to the possible existence of additional provision which complete these regulations. Please refer to all applicable international, national and local regulations and provisions

## SECTION 16. OTHER INFORMATION

**Prohibited uses:** For specific uses, food industry, ask the manufacturer for more information.

**Last Revision Date:** 06/07/2023

**Preparation Date:** 07/08/2022

**MSDS summary of changes:** Update logo

This information is presented in good faith but is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied.  
 This information is offered solely for your investigation, verification, and consideration.

---

**FSS Hydrolyzed HYA AKG**

**Page: 7/7**

Date: 06/07/2023

Version: 2

Cancels and replaces version: 1

---

The information given is based on our knowledge of this product, at the time of publication in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than which it was intended. This is not in any way excuse the user from knowing and applying all the regulations governing their activity. It is sole responsibility of the user to take all precautions required in handling the product. The purpose of mandatory regulation mentioned is to help the user to fulfill his obligations regarding the use of products. This information is not exhaustive, this is not exonerate the user from ensuring that legal obligations other than those mentioned, relating to the use and storage.