



# Safety Data Sheet

info@activeconceptsllc.com • Phone: +1-704-276-7100 • Fax: +1-704-276-7101

ACB Bio-Chelate 5 PF

Page: 1/9

Date: 03 / 17 / 2014

Version: 2

Cancels and replaces version: 1

## SECTION 1. IDENTIFICATION

**Product Name/Identifier** ACB Bio-Chelate 5 PF  
**Product Code** 20339PF

**Recommended Use** Topical Cosmetic Use  
**Restrictions on Use** None

**Supplier/Manufacturing Site** Active Concepts, LLC  
**Address** 107 Technology Drive  
Lincolnton, NC 28092, USA

**Telephone No. (24hrs)** 1-704-276-7100  
**Fax No.** 1-704-276-7101

**Emergency Telephone #** 1-704-276-7100 (Mon-Fri: 8:00AM – 5:00PM EST)

## SECTION 2. HAZARD(S) IDENTIFICATION

### Classification:

#### GHS / CLP

**Basis for Classification:** Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011)

#### USA

**OSHA Regulatory Status:** This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### Europe

**Basis for Classification:** -According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.  
-This product is not classified as hazardous to health or environment according to the CLP regulation.

### Labeling Elements:

**Pictograph:** No hazard symbol expected

**Hazard statements/Signal Word:** Not applicable

**Precautionary statements:** P233: Keep container tightly closed  
P281: Use personal protective equipment as required  
P402: Store in a dry place  
P404: Store in a closed container  
P410: Protect from sunlight  
P411: Store at temperatures not exceeding 25°C

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.



ACB Bio-Chelate 5 PF

Page: 2/9

Date: 03 / 17 / 2014

Version: 2

Cancels and replaces version: 1

**Other hazards which do not result in classification:**

No particular fire or explosion hazard.

By mechanical effect: No particular hazards.

By hydroscopic effect: No particular hazards.

**US NFPA 704 (National Fire Protection Association) Hazard Rating System:**

Health hazard: Rating 0; Normal Material

Flammability: Rating 0, Will Not Burn

Reactivity: Rating 0, Stable

Other Hazard Information: None

**Results of PBT and vPvB assessment:**

-PBT: Not applicable

-vPvB: Not applicable

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Common Chemical Name:** Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment

**Generic name:**

**Chemical Family:** Yeast Extract

**Description:** Mixture: consisting of the following components. This section describes all components of the mixture

<u>Substance</u>	<u>CAS Numbers</u>	<u>EC Numbers</u>	<u>Percentage</u>
Water	7732-18-5	231-791-2	73.00%
Saccharomyces/Zinc Ferment	8013-01-2	232-387-9	5.00%
Saccharomyces/Copper Ferment	8013-01-2	232-387-9	5.00%
Saccharomyces/Magnesium Ferment	8013-01-2	232-387-9	5.00%
Saccharomyces/Iron Ferment	8013-01-2	232-387-9	5.00%
Saccharomyces/Silicon Ferment	8013-01-2	232-387-9	5.00%
Leuconostoc/Radish Root Ferment Filtrate	84775-94-0	283-918-6	2.00%

**Formula:** Not applicable

**SECTION 4. FIRST-AID MEASURES**

**General:** In all cases of doubt, or when symptoms persist, seek medical attention.

**Inhalation:** Move to fresh air from exposure area. Get medical attention for any breathing difficulty.

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.



---

---

**ACB Bio-Chelate 5 PF**

**Page: 3/9**

Date: 03 / 17 / 2014

Version: 2

Cancels and replaces version: 1

---

---

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

**Eye contact:** Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician.

**Ingestion:** Consult with a physician.

**Protection of first-aiders:** No special protection required.

---

---

#### **SECTION 5. FIRE-FIGHTING MEASURES**

**Fire and explosion hazards:** Not considered to be a fire and explosion hazard

**Extinguishing media:**

Suitable: Water, dry chemicals, foam and carbon dioxide

Not suitable: None known

**Fire fighting:** Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low area

**Protection for fire-fighters:** Boots, gloves, goggles.

---

---

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Avoid contact with eyes.

Personal Protective Equipment:  
-Protective goggles

**Environmental precautions:** Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system

**Methods for cleaning up:**

Recovery: Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material.

Cleaning/Decontamination: Wash non-recoverable remainder with water.

Disposal: For disposal of residues refer to sections 8 & 13.

---

---

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.



**SECTION 7. HANDLING AND STORAGE**

**Handling**

Technical measures: Labeling: Keep out of the reach of children.  
Measures: For industrial use, only as directed.  
Safe handling advice: Wash hands after use. Avoid storage near feed or food stuff.

**Storage**

Technical measures: Keep container closed.  
Recommended Storage Conditions: Store in a cool, dry place. This material must be stored at room temperature (23 - 25°C). It should not be exposed to excessive heat or cold. Do not freeze.

Incompatible products: Avoid contact with strong oxidizers.  
Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity)

Packaging: Product may be packaged in normal commercial packaging.  
Packaging materials: Recommended - Polypropylene & High Density Polyethylene

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

**Precautionary statements:** Ensure adequate ventilation

**Control parameters**

Occupational exposure Limits:

France: Not Determined  
ACGIH: Not Determined  
Korea: Not Determined  
UK: Not Determined

Surveillance procedures: Not Determined  
Engineering measures: Not Determined

**Personal Protective Equipment:**

Respiratory protection: Local exhaust  
Hand protection: Protective gloves made of rubber or neoprene.  
Eye protection: Safety glasses.  
Collective emergency equipment: Eye fountain.  
Skin and Body Protection: Suitable protective clothing

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Measures related to the Environment: No particular measures.

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.



**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Light green/amber hazy liquid
<b>Color (Gardner):</b>	15 Maximum
<b>Odor:</b>	Characteristic
<b>NVM (1g/105°C/16hr/1g sand):</b>	5.0% Minimum
<b>Metals Present:</b>	Si, Mg, Cu, Fe, Zn
<b>pH (25°C):</b>	3.5 – 4.5
<b>Polypeptide Content (Kjeldahl Nitrogen X 6.0):</b>	2.5 – 5.0%
<b>Carbohydrate Content (HPLC):</b>	0.4 – 1.0%
<b>Heavy Metals:</b>	< 20 ppm
<b>Arsenic:</b>	< 2 ppm
<b>Microbial Content:</b>	< 100 CFU/g No pathogens
<b>Specific Gravity:</b>	1.00 – 1.02
<b>Vapor density:</b>	Not applicable
<b>Boiling Point:</b>	100°C
<b>Freezing Point:</b>	0°C
<b>Melting point:</b>	Not applicable
<b>Flash point:</b>	> 200°F
<b>Oxidizing properties:</b>	Non oxidizing material according to EC criteria.
<b>Solubility:</b>	
In water:	Soluble
In organic solvents:	Not determined
Log P:	Not determined

**SECTION 10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under ordinary conditions of use and storage up to one year then re-test to full product specifications to extend shelf life
<b>Hazardous reactions:</b>	None known
<b>Conditions to avoid:</b>	No dangerous reactions known under use of normal conditions. Avoid extreme heat.
<b>Materials to avoid:</b>	No dangerous reaction known with common products.
<b>Hazardous decomposition products:</b>	None known

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.



ACB Bio-Chelate 5 PF

Page: 6/9

Date: 03 / 17 / 2014

Version: 2

Cancels and replaces version: 1

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Ingestion:** Not Determined  
**Dermal:** Non-Irritant (Dermal Irritection Model)  
**Ocular:** Non-Irritant (Ocular Irritection Model)  
**Inhalation:** Not Determined

**Acute toxicity data:** Not Determined  
**Sensitization:** Non-Primary Irritant & Non-Primary Sensitizer

**Repeated dose toxicity:** No known effects  
**Subacute to chronic toxicity:** Not Determined

**Additional Toxicological Information:** This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

**Specific effects:**

Carcinogenicity: No known effects  
 Mutagenicity: No known effects  
 Reproductive toxicity: No known effects  
 Neuro-toxicity: No known effects

**For more information:** Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

This product has not been tested for the following:

- Primary cutaneous and corrosive irritation
- Acute oral toxicity
- Mutagenicity/genotoxicity

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Effects on the aquatic environment: Not Determined

**Biodegradability:**

Persistence: Not Determined

**Bioaccumulation:**

Octanol / water partition coefficient: Not Determined

**Mobility:**

Precipitation:  
 Expected behavior of the product: Ultimate destination of the product: Soil & sediment.

**Other Adverse Effects:** None known

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.



**SECTION 13. DISPOSAL CONSIDERATIONS**

**Residues from product**

Prohibition: Do not allow the product to be released into the Environment.  
Destruction/Disposal: Dispose of in accordance with relevant local regulations

**Contaminated packaging**

Decontamination/cleaning: Cleaning is not required prior to disposal.  
Destruction/Disposal:

Note: Take all necessary precautions when disposing of this product according to local regulations.

**SECTION 14. TRANSPORT INFORMATION**

UN Number: None  
UN Shipping Name: None

Transport Hazard Class: Not classified as dangerous for transport

Land (rail/road): Not restricted  
Sea: Not restricted  
Air: Not restricted

Marine Pollutant: No

Transport/Additional Information: Not regulated for US DOT Transport in non-bulk containers

Special Precautions for User: None known

The above regulatory prescriptions are those valid on the date of publication of this sheet. However, given the possible evolution of transport regulations for hazardous materials and in the event of the MSDS in your possession dating back more than 12 months, it is advisable to check their validity with your sales office.

**SECTION 15. REGULATORY INFORMATION**

**Labeling:**  
EC regulations: This product does not need to be labeled in accordance with EC Directives or respective national laws

**Further regulations**

United Kingdom: Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental Hygiene Guidance: EH40 Workplace Exposure Limits (revised annually)

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.



Korea regulations:	Industrial safety and hygiene regulation:	No
	Hazardous material control regulation:	No
	Fire prevention regulation:	No

**Other regulations:**

EINECS inventory status:	Aqua:	231-791-2
	Saccharomyces/Zinc Ferment:	232-387-9
	Saccharomyces/Copper Ferment:	232-387-9
	Saccharomyces/Magnesium Ferment:	232-387-9
	Saccharomyces/Iron Ferment:	232-387-9
	Saccharomyces/Silicon Ferment:	232-387-9
	Leuconostoc/Radish Root Ferment Filtrate:	283-918-6
TSCA inventory status:	Exempt	
AICS inventory status:	7732-18-5 & 8013-01-2 & 8013-01-2 & 8013-01-2 & 8013-01-2 & 8013-01-2 & 84775-94-0	
Canadian (CEPA DSL) inventory status:	Listed as Water (DSL) & Yeast, ext. (DSL) & Yeast, ext. (DSL) & Yeast, ext. (DSL) & Yeast, ext. (DSL) & Yeast, ext. (DSL) & Radish, ext. (Revised ICL)	
Japan (MITI list):	Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment & Leuconostoc/Radish Root Ferment Filtrate	
Korea:	Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment & Leuconostoc/Radish Root Ferment Filtrate**	
China inventory status:	Water & Saccharomyces/Zinc Ferment* & Saccharomyces/Copper Ferment* & Saccharomyces/Magnesium Ferment* & Saccharomyces/Iron Ferment* & Saccharomyces/Silicon Ferment* & Leuconostoc/Radish Root Ferment Filtrate*	
Philippines inventory status:	Not Listed: Leuconostoc/Radish Root Ferment Filtrate (84775-94-0) Listed as Water & Yeast, ext. & Yeast, ext. & Yeast, ext. & Yeast, ext. & Yeast, ext.	

\*Listed on 2010 INCI Standard Chinese Name Directory

\*\*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.

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.





Last Revision Date: 12/30/2013

Preparation Date: 03/17/2014

MSDS summary of changes - Added Precautionary Statements - Section 2 (Hazards Identification) & Removed Direct @ from pH method – Section 9 (Physical & Chemical Properties)

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.

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.