

SECTION 1. IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Form	Mixture
Product Tradename	ProCutiGen® Vegan Thermal Shield
Product Code	20830

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Recommended Use	Ingredients/Raw materials used in the manufacturing of Cosmetic Products'
Restrictions on Use	None

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier/Manufacturing Site Address	Active Concepts, LLC 107 Technology Drive Lincolnton, NC 28092, USA
Telephone No. (24hrs)	1-704-276-7100
Email Address	info@activeconceptsllc.com

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Number	1-704-276-7100 (Mon-Fri: 8:00AM – 5:00PM EST)
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SECTION 2. HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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)
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USA OSHA Regulatory Status:	This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).
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Europe Basis for Classification:	-According to present data no classification and labeling is required according to Reg. (EC) No 1272/2008. -This product is not classified as hazardous to health or environment according to the CLP regulation.
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2.2 LABEL ELEMENTS

Pictograph:	No hazard symbol expected
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2.3 OTHER HAZARDS

Hazard statements/Signal Word: Not Applicable

Precautionary statements:

P233: Keep container tightly closed
P280: Wear protective gloves/protective clothing/eye protection/face protection
P402: Store in a dry place
P404: Store in a closed container
P410: Protect from sunlight
P411: Store at temperatures not exceeding 32°C

Other hazards which do not result in classification:

No particular fire or explosion hazard.

By mechanical effect: No particular hazards.

By hygroscopic 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

Results of PBT and vPvB assessment:

-PBT: Not applicable

-vPvB: Not applicable

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

Not Applicable

3.2 MIXTURES

Chemical Family: Extract

<u>Substance</u>	<u>CAS Numbers</u>	<u>EC Numbers</u>	<u>Percentage</u>	<u>Identifier</u>
Saccharomyces Cerevisiae Extract	84604-16-0	283-294-5	98.00%	N/A
Leuconostoc/Radish Root Ferment Filtrate	1686112-10-6 (or) 9015-54-7	N/A (or) 295-635-5	2.00%	N/A

Formula: Not applicable

SECTION 4. FIRST-AID MEASURES

4.1 DESCRIPTION OF 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.

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.

4.2 MOST IMPORTANT SYMPTOM AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms/effects: No information available

Symptoms/effects after inhalation: No information available

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information available

SECTION 5. FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable: Water, dry chemicals, foam and carbon dioxide

Not suitable: None known

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

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

5.3 ADVICE FOR FIREFIGHTERS

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

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General Measures: Avoid contact with eyes.

Protective Equipment: Personal Protective Equipment:
-Protective goggles

6.2 ENVIRONMENTAL PRECAUTIONS

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

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Recovery: Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material. Sweep or vacuum up any powder and place in a clearly labeled waste container, avoiding dust formation.

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

6.4 REFERENCE TO OTHER SECTIONS

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

SECTION 7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE 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.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage

Technical measures:	Keep container closed.
Recommended Storage Conditions:	Store in a dry place at temperatures not exceeding 32°C. Based on stability studies, the optimum storage temperature for maximization of shelf life is 23 - 25°C. However, it may be stored at temperatures between 16 and 32°C if such specific temperature control is not available. Do not freeze. Please refer to stability data for effects heat or cold may have on the specifications of the product.

Incompatible products:	Avoid contact with strong oxidizers. Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity)
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Packaging:	Product may be packaged in normal commercial packaging.
Packaging materials:	Recommended - Polypropylene & High Density Polyethylene

7.3 SPECIFIC END USE(S)

No information available

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 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

8.2 EXPOSURE CONTROLS

Precautionary statements:	Ensure adequate ventilation
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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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Clear to slightly hazy liquid
Color (Gardner):	16 Maximum
Odor:	Characteristic
Odor Threshold:	N/A
pH (Direct):	4.0 – 6.0
NVM (1g-1hr-105°C):	50% Minimum
Nitrogen (Kjeldahl):	1.6% Minimum
Heavy Metals:	< 20 ppm
Lead:	< 10 ppm
Arsenic:	< 2 ppm
Cadmium:	< 1 ppm
Microbial Content:	< 100 CFU/g; No pathogens
Yeast & Mold:	< 100 CFU/g
Gram Negative Bacteria:	0 CFU/g
Specific Gravity:	Not determined
Vapor density:	Not applicable
Boiling Point:	Not determined
Freezing Point:	Not determined
Melting point:	Not applicable
Flash point:	> 200°F
Oxidizing properties:	Non oxidizing material according to EC criteria.
Solubility:	
In water:	Soluble
In organic solvents:	Not determined
Log P:	Not determined

9.2 OTHER INFORMATION

No information available

SECTION 10. STABILITY AND REACTIVITY

10.1 REACTIVITY

No information available

10.2 CHEMICAL STABILITY

Stable under ordinary conditions of use and storage up to one year then re-test to full product specifications to extend shelf life

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

None known

10.4 CONDITIONS TO AVOID

No dangerous reactions known under use of normal conditions. Avoid extreme heat.

10.5 INCOMPATIBLE MATERIALS

Avoid contact with strong oxidizers

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None known

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

Ingestion:	Not Determined
Dermal:	Non-Irritant (Dermal Irritation Model)
Ocular:	Non-Irritant (Ocular Irritation Model)
Inhalation:	Not Determined
Acute toxicity data:	Non-Irritant, Non-Primary Sensitizer & Non-Photo Irritant
Sensitization:	Non-Primary Sensitizer; Will not cause allergic contact dermatitis (In Chemico Skin Sensitization Direct Peptide Reactivity Assay & In Vitro Skin Sensitization ARE-Nrf2 Luciferase Test Method)
Repeated dose toxicity:	No known effects
Subacute to chronic toxicity:	Not Determined
Mutagenicity:	Non-Mutagenic (OECD471/ISO10993.Part 3 – Genotoxicity: Bacterial Reverse Mutation Test)
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:	
Endocrine Disruption:	No endocrine disrupting properties with respect to the promotion or inhibition of 17 β -estradiol and testosterone production (OECD456: H295R Steroidogenesis Assay)
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

11.2 INFORMATION ON OTHER HAZARDS

No information available

SECTION 12. ECOLOGICAL INFORMATION

12.1 TOXICITY

Effects on the aquatic environment: EC₁₀ (Freshwater Alga): 129.66 mg/L - Not harmful to aquatic organisms
EC₂₀ (Freshwater Alga): 240.87 mg/L - Not harmful to aquatic organisms

12.2 PERSISTENCE AND DEGRADABILITY

Persistence: Readily Biodegradable (89.5% biodegradation after 28 days of testing)

12.3 BIOACCUMULATIVE POTENTIAL

Octanol / water partition coefficient: Not Determined

12.4 MOBILITY IN SOIL

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

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

None known

12.6 ENDOCRINE DISRUPTING PROPERTIES

None known

12.7 OTHER ADVERSE EFFECTS

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

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

14.1 UN NUMBER OR ID NUMBER

None

14.2 UN PROPER SHIPPING NAME

None

14.3 TRANSPORT HAZARD CLASS(ES)

Land (rail/road):

Material is not restrictive for land transport and is not regulated by ADR/RID

Sea:

Material is not restrictive for sea transport and is not regulated by IMO/IMDG

Air:

Material is not restrictive for air transport and is not regulated by ICAO/IATA

14.4 PACKING GROUP

No information available

14.5 ENVIRONMENTAL HAZARDS

Marine Pollutant:

No

Transport/Additional Information:

Not regulated for US DOT Transport in non-bulk containers
This material is not dangerous or hazardous

14.6 SPECIAL PRECAUTIONS FOR USER

None known

14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

No information available

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

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION FOR SUBSTANCE OR MIXTURE

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)

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

Other regulations:

EINECS inventory status:	Saccharomyces Cerevisiae Extract:	283-294-5
	Leuconostoc/Radish Root Ferment Filtrate:	N/A (or) 295-635-5
TSCA inventory status:	Exempt	
AICS inventory status:	Exempt: 84604-16-0	
	Not Listed: 1686112-10-6	
	Listed: 9015-54-7	
Canadian (CEPA DSL) inventory status:	Not Listed: Leuconostoc/Radish Root Ferment Filtrate (1686112-10-6)	
	Listed as Saccharomyces cerevisiae, ext. (Revised ICL) & Protein hydrolyzates (DSL)	
Japan (MITI list):	Saccharomyces Cerevisiae Extract & Leuconostoc/Radish Root Ferment Filtrate	
Korea:	Saccharomyces Cerevisiae Extract & Leuconostoc/Radish Root Ferment Filtrate*	
China inventory status:	Saccharomyces Cerevisiae Extract & Leuconostoc/Radish Root Ferment Filtrate	
Philippines inventory status:	Exempt: Saccharomyces Cerevisiae Extract (84604-16-0)	
	Not Listed: Leuconostoc/Radish Root Ferment Filtrate (1686112-10-6)	
	Listed: Protein hydrolyzates	

**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

15.2. CHEMICAL SAFETY ASSESSMENT

The chemical safety assessment has been carried out, an exposure scenario is not applicable (substance not classified)

SECTION 16. OTHER INFORMATION

Prohibited uses:	For specific uses, food industry, ask the manufacturer for more information.
Last Revision Date:	07/09/2025
Preparation Date:	07/02/2026
MSDS summary of changes	- Removed Fax Number – Section 1 (Identification) & Added Endocrine Disruption Data – Section 11 (Toxicological Information)

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.