

IntegriGEL LipidTHIX ALM and CCT



Neutral Emulsifying
and Oil-Gelling Ingredients...

Integrity Ingredients Corporation

"Where Quality and Service Meet"

IntegriGEL LipidTHIX Series

IntegriGEL LipidTHIX ALM

INCI Name: Glycerin (and) Prunus Amygdalus Dulcis (Almond) Oil (and) Water (and) Sucrose Laurate (and) Sodium Stearoyl Lactylate

IntegriGEL LipidTHIX CCT

INCI Name: Glycerin (and) Caprylic/Capric Triglyceride (and) Water (and) Sucrose Laurate (and) Sodium Stearoyl Lactylate

IntegriGEL LipidTHIX ALM and CCT can be used for a wide variety of personal care formulations. It can be used to emulsify O/W systems.

Product Description:

IntegriGEL LipidTHIX ALM and CCT were developed to help formulate natural, cold-process systems. These highly-functional, mild thickeners are composed of 100% natural ingredients.

Technical Data	ALM	CCT
Appearance:	Hazy Liquid	Clear Liquid
Color:	Slightly to Pale Yellow	Colorless to Slightly Yellow
Odor:	Characteristic	Characteristic
pH at 20°C	5.5 - 7.5	5.0 - 7.0
Viscosity at 20°C	3,000 - 5,000	500 - 1,400

Chemical Composition:

Sugar-based ester combined with a sugar beet-derived lactic acid ester dispersed in glycerin (vegetable derived), water and natural almond oil for ease-of-use.

pH Use Range:

It is recommended to formulate between pH 4.0 - 8.0. Some sensitivity to electrolytes is noticed in emulsion systems, but a higher level of electrolytes can be tolerated in systems such as salt scrubs.

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Application:

From thin lotions to thick creams, with wonderful skin feel and unique textures.

Recommended use levels are between 1.0 - 30.0%, depending on the desired viscosity and application of use. Though IntegriGEL LipidTHIX ALM and CCT were developed for use in natural, cold-process systems, they can be heated up to 80°C.

When developing emulsion systems, it is recommended to use 5.0 - 30.0%. The more oil added to the IntegriGEL LipidTHIX ALM and CCT systems, the higher the end viscosity of the product. For best results, add the oil into the IntegriGEL LipidTHIX ALM and CCT slowly, while mixing.

Use Application for Developing Oil-Gel Type Systems:

Step One: Add IntegriGEL LipidTHIX ALM or CCT to the beaker, with the mixer on high speed.

Step Two: Slowly add 10% of the oil phase over the first five minutes. It is critical to add the oil slowly throughout the gel-forming process.

Step Three: Slowly add 40 - 45% of the oil phase over the next four to six minutes, and the remaining 50 - 55% of the oil phase over the last five to eight minutes.

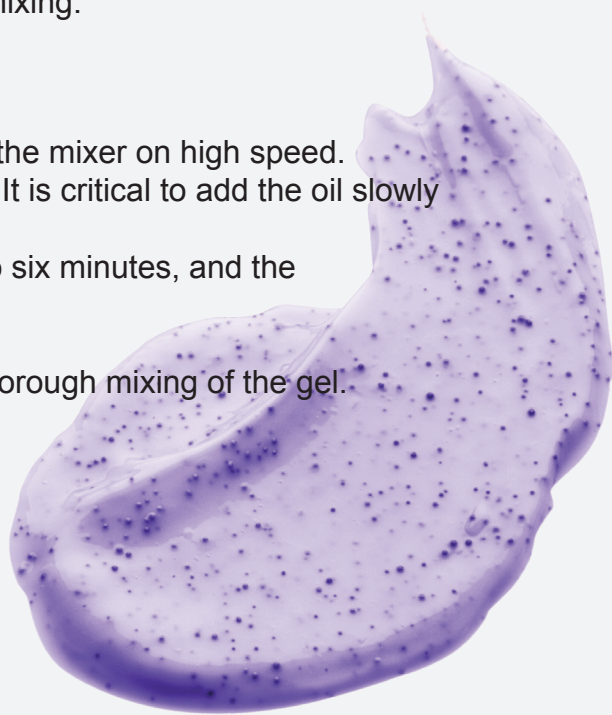
• Be sure to increase the mixer speed as the gel thickens to ensure thorough mixing of the gel.

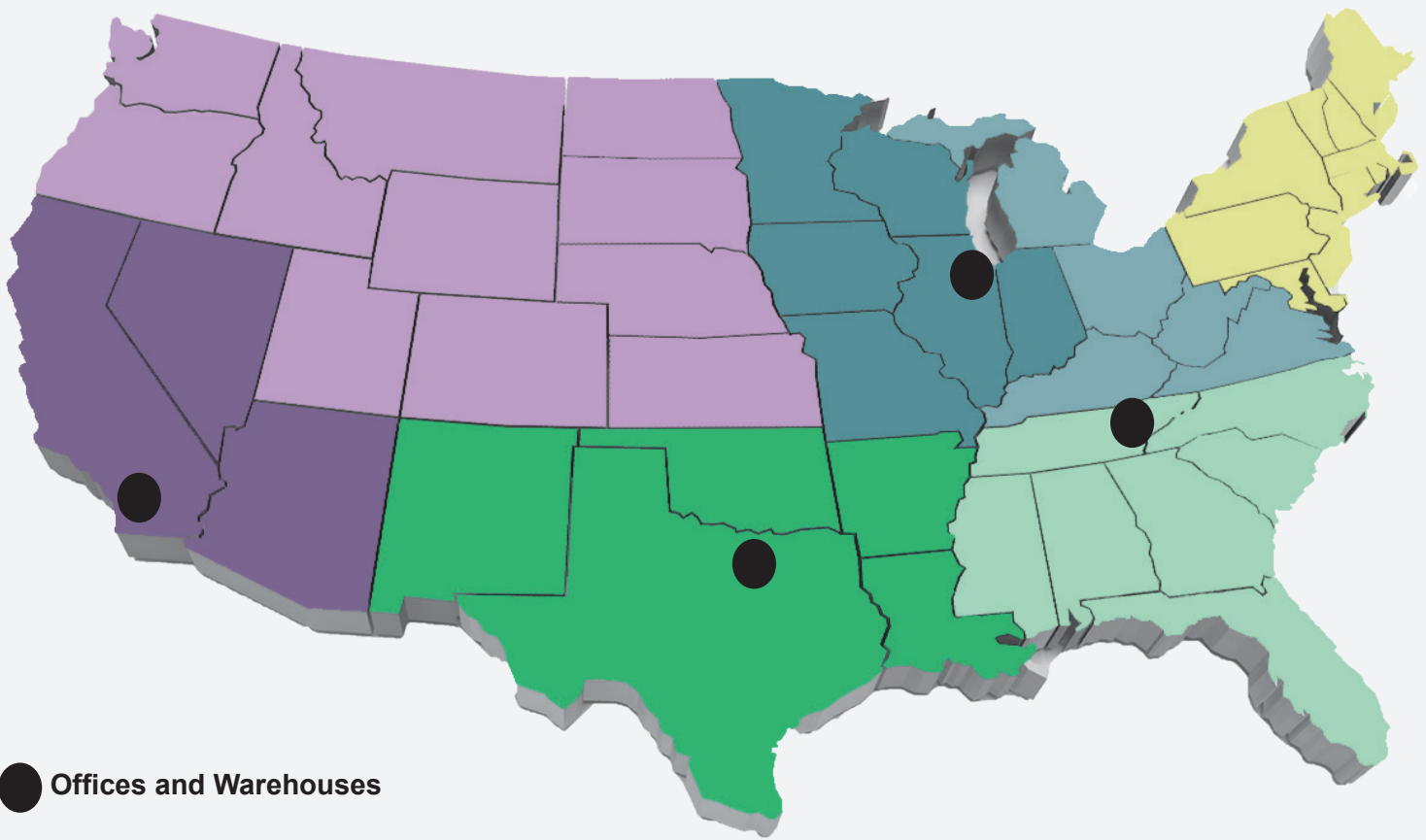
Product Applications:

- O/W Emulsions (Creams and Lotions)
- Bath Gels
- Spa Products (Masks)
- Gelled Massage Oils
- Lip Balms
- Baby Products

Storage: IntegriGEL LipidTHIX ALM and CCT are stable for two years. Keep sealed and away from moisture and extreme temperatures.

Packaging: 25 kg Pails





● Offices and Warehouses

Northwest Region

Nathan Reighard

nreighard@integrityingredientscorp.com

(803) 743-8989

Midwest Region

Connie Wightman

cwrightman@integrityingredientscorp.com

(951) 867-1584

Northeast Region

Evelyn Kirton

ekirton@integrityingredientscorp.com

(949) 910-0713

West Coast Region

Maria Reighard

mreighard@integrityingredientscorp.com

(619) 504-6000

South-Central Region

Joy Roederer, PhD

jroederer@integrityingredientscorp.com

(214) 674-0026

Mideast Region

Rodney Grau

rgrau@integrityingredientscorp.com

(602) 350-6723

For Technical and Sales Support, please contact:

Joy Roederer, PhD

Vice President of Research & Development

jroederer@integrityingredientscorp.com

(214) 674-0026

Evelyn Kirton

Vice President of Sales

ekirton@integrityingredientscorp.com

(949) 910-0713

Southeast Region

Sandy Bush

sbush@integrityingredientscorp.com

(951) 553-4175

○₂ **Integrity Ingredients Corporation**



"Where **Quality** and **Service** Meet"

2255 Jefferson Street

Torrance, CA 90501

(310) 782-0282

Email: info@integrityingredientscorp.com
www.integrityingredientscorp.com