

IntegriMETHYL MG Series



- MG DOE 120
- MG 10
- MG 10 HV
- MG 20

Integrity Ingredients Corporation

"Where Quality and Service Meet"

IntegriMETHYL MG Series

IntegriMETHYL MG DOE 120

INCI Name: PEG 120 Methyl Glucose Dioleate

Properties:

IntegriMETHYL MG DOE 120 is a highly-efficient thickening enhancer that works synergistically with surfactant systems. Its mildness makes it very well suited for baby products. It can be used in clear systems to boost viscosity, without impacting the clarity of the system.

Solubility Characteristics:

IntegriMETHYL MG DOE 120 is soluble in both hot and cold water.

Specifications:

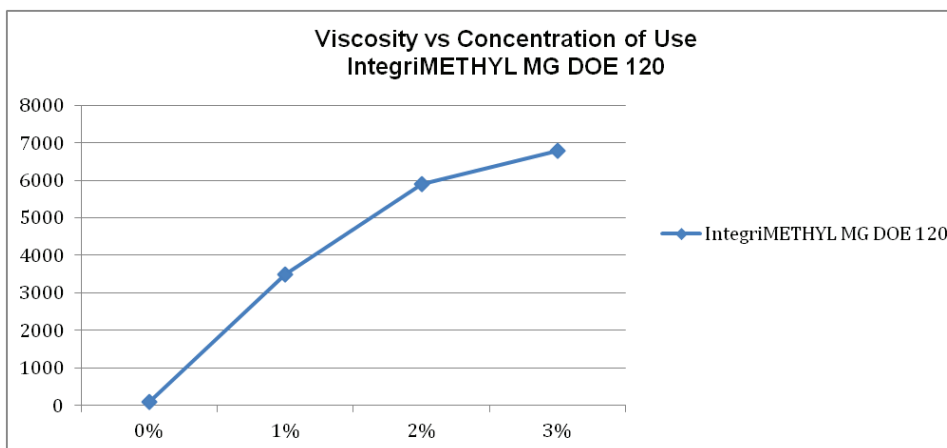
Appearance	Pale Yellowish Flake
Hydroxyl Value (mg/g)	14 - 26
Acid Value (mg KOH/g)	1.0 Max
Iodine Value	5 - 15
pH (5% Solution)	4.5 - 7.5
Saponification Value (mg KOH/g)	14 - 26

Suggested Usage Levels:

1 - 5%

Applications:

- Baby Shampoos
- Body Washes
- Cleansers
- Liquid Hand Soaps
- Acne Treatments



Base = 75% water + 25% IntegriFACTANT SFB (Sulfate Free Blend)

Above graph shows base plus the addition of 1%, 2% and 3% IntegriMETHYL MG DOE 120.

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Item	IntegriMETHYL MG 10	IntegriMETHYL MG 10 HV	IntegriMETHYL MG 20
INCI Name	Methyl Gluceth-10	Methyl Gluceth-10	Methyl Gluceth-20
Chemical Description	10 mole Ethoxylate of Methyl Glucose	10 mole ethoxylate of methyl glucose	20 mole ethoxylate of methyl glucose
Function in Formula	Humectant, Emollient, Moisturizer	Humectant, Emollient, Moisturizer	Humectant, Emollient, Moisturizer
Solubility	Water	Water	Water
Appearance	Clear Pale Yellowish Viscous Liquid	Clear Pale Yellowish Viscous Liquid	Clear Pale Yellowish Viscous Liquid
pH	5.5 – 8.0	5.5 – 8.0	5.5 – 8.0
Viscosity (cps @ 25°C)	-	2,000 – 4,000	-
Moisture (%)	1 Max	1.0 Max	1.0 Max
Hydroxyl Value (mg/g)	350 – 370	350 – 370	205 – 225
Saponification Value (mg KOH/g)	1.5 Max	1.5 Max	1.5 Max

IntegriMETHYL MG 10

Mild humectant for sensitive skin
Good moisturizer with less tacky feel

Applications:

- Lotions for Dry Skin
- Shower Gels
- Shampoos
- Facial Cleansers
- Shaving Cream

IntegriMETHYL MG 10 HV

Similar functions to IntegriMETHYL MG 10
Highest viscosity of all IntegriMETHYL MG grades

Applications:

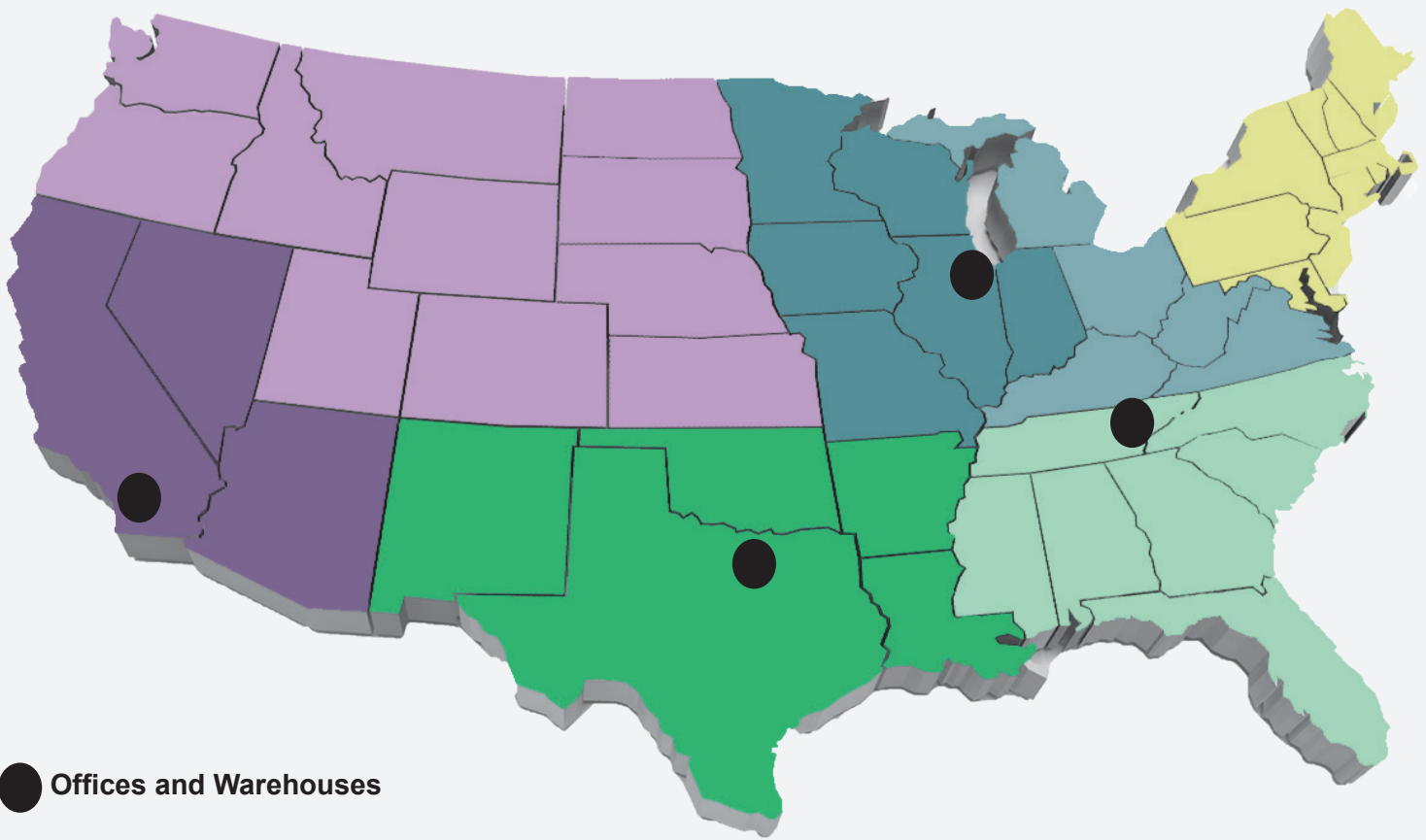
- Sunscreen Creams
- Shaving Cream
- Sunscreen Lotions
- Shower Gels
- Shampoos
- Facial Cleansers

IntegriMETHYL MG 20

Enhances after-feel in formulations
Helps prevent de-fatting of skin
Light & smooth feel

Applications:

- Lotions for Dry Skin
- Shaving Cream
- Sunscreen Products
- Shower Gels
- Soap Bars
- Facial Cleansers
- Shampoos
- Liquid Handsoap



● 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