

## Professional Firming Treatment Mask Activator

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 08/25/2020

#### SECTION 1: Identification

##### 1.1. Identification

Product form : Mixture  
Trade name : Professional Firming Treatment Mask Activator  
Product code : 1143-05

##### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Cosmetics

##### 1.3. Supplier

Murad, LLC  
2121 Park Place, 1st Floor  
El Segundo, CA 90245  
T (310) 726-0600  
[www.murad.com](http://www.murad.com)

##### 1.4. Emergency telephone number

Emergency number : (310) 726-0600

#### SECTION 2: Hazard(s) identification

##### 2.1. Classification of the substance or mixture

###### GHS US classification

Not classified

##### 2.2. GHS Label elements, including precautionary statements

###### GHS US labeling

No labeling applicable

##### 2.3. Other hazards which do not result in classification

No additional information available

##### 2.4. Unknown acute toxicity (GHS US)

Not applicable

#### SECTION 3: Composition/Information on ingredients

##### 3.1. Substances

Not applicable

##### 3.2. Mixtures

Name	Product identifier	Conc.	GHS US classification
Glycerin	(CAS-No.) 56-81-5	<5	Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Butylene Glycol	(CAS-No.) 107-88-0	<5	STOT SE 3, H335 STOT SE 3, H336
Phenoxyethanol	(CAS-No.) 122-99-6	<1	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:dust,mist), H330 Eye Irrit. 2A, H319
Tapioca Starch	(CAS-No.) 9005-25-8	<1	Comb. Dust
Caprylyl Glycol	(CAS-No.) 1117-86-8	<1	Skin Irrit. 2, H315 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Citric Acid	(CAS-No.) 77-92-9	<1	Acute Tox. 1 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 STOT RE 2, H373

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Name	Product identifier	Conc.	GHS US classification
			Comb. Dust

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If affected person feels unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If affected person is experiencing breathing difficulty, allow affected person to breathe fresh air. Allow affected person to rest.
- First-aid measures after skin contact : If adverse skin reaction occurs, remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Not flammable.
- Explosion hazard : Product is not explosive.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Clear up spills immediately and dispose of waste safely.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep container closed to avoid product contamination.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>Glycerin (56-81-5)</b>	
Remark (ACGIH)	URT irr
OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (mist, total particulate) 5 mg/m <sup>3</sup> (mist, respirable fraction)
<b>Tapioca Starch (9005-25-8)</b>	
ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
ACGIH chemical category	Not Classifiable as a Human Carcinogen
OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
<b>Limonene (5989-27-5)</b>	
WEEL TWA (ppm)	30 ppm
<b>t-Butyl Alcohol (75-65-0)</b>	
ACGIH TWA (ppm)	100 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
OSHA PEL (TWA) (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
OSHA PEL (TWA) (ppm)	100 ppm
US IDLH (ppm)	1600 ppm
NIOSH REL (STEL) (mg/m <sup>3</sup> )	450 mg/m <sup>3</sup>
NIOSH REL (STEL) (ppm)	150 ppm

#### 8.2. Appropriate engineering controls

Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

None needed.

##### Hand protection:

None needed

##### Eye protection:

None needed

##### Skin and body protection:

None needed

##### Respiratory protection:

None needed

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Opaque viscous liquid
Color	: Light beige
Odor	: Characteristic
Odor threshold	: No data available
pH	: 3.2 – 3.8
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available

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Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 0.93 – 0.98 g/cm <sup>3</sup>
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: 12,000 – 20,000 cP
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None.

### 10.2. Chemical stability

Product is stable.

### 10.3. Possibility of hazardous reactions

Stable.

### 10.4. Conditions to avoid

Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Smokes. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Water (7732-18-5) (Historical information; not tested on animals for cosmetics)

LD50 oral rat	201 ml/kg
ATE US (oral)	201000 mg/kg body weight

#### Glycerin (56-81-5) (Historical information; not tested on animals for cosmetics)

LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m <sup>3</sup> (Exposure time: 1 h)
ATE US (oral)	12600 mg/kg body weight
ATE US (dust, mist)	0.5 mg/l/4h

#### Butylene Glycol (107-88-0) (Historical information; not tested on animals for cosmetics)

LD50 oral rat	18610 mg/kg
LC50 inhalation rat (ppm)	> 60 ppm (Exposure time: 8 h)
ATE US (oral)	18610 mg/kg body weight

#### Phenoxyethanol (122-99-6) (Historical information; not tested on animals for cosmetics)

LD50 oral rat	1850 mg/kg
LD50 dermal rat	14422 mg/kg
LD50 dermal rabbit	5 ml/kg
LC50 inhalation rat (mg/l)	> 0.057 mg/l (Exposure time: 8 h)
ATE US (oral)	1850 mg/kg body weight
ATE US (dermal)	5000 mg/kg body weight
ATE US (dust, mist)	0.05 mg/l/4h

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<b>Citric Acid (77-92-9)</b> (Historical information; not tested on animals for cosmetics)	
LD50 oral rat	3 g/kg
LD50 dermal rat	> 2000 mg/kg
ATE US (oral)	3000 mg/kg body weight
ATE US (dust, mist)	0.005 mg/l/4h

<b>Limone (5989-27-5)</b> (Historical information; not tested on animals for cosmetics)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5 g/kg
ATE US (oral)	4400 mg/kg body weight

<b>Linalool (78-70-6)</b> (Historical information; not tested on animals for cosmetics)	
LD50 oral rat	2790 mg/kg
LD50 dermal rabbit	2000 mg/kg
ATE US (oral)	2790 mg/kg body weight
ATE US (dermal)	2000 mg/kg body weight

<b>Tocopherol (10191-41-0)</b> (Historical information; not tested on animals for cosmetics)	
LD50 oral rat	> 4000 mg/kg
LD50 dermal rat	> 3000 mg/kg

<b>t-Butyl Alcohol (75-65-0)</b> (Historical information; not tested on animals for cosmetics)	
LD50 oral rat	2200 mg/kg
LD50 dermal rabbit	> 2 g/kg
LC50 inhalation rat (ppm)	> 10000 ppm/4h
ATE US (oral)	2200 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Skin corrosion/irritation	: Not classified pH: 3.2 – 3.8
Serious eye damage/irritation	: Not classified pH: 3.2 – 3.8
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Glycerin (56-81-5)</b> (Historical information; not tested on animals for cosmetics)	
LC50 fish 1	> 5000 mg/l

<b>Phenoxyethanol (122-99-6)</b> (Historical information; not tested on animals for cosmetics)	
LC50 fish 2	≥ 366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

<b>Caprylyl Glycol (1117-86-8)</b> (Historical information; not tested on animals for cosmetics)	
LC50 fish 1	2.2 – 22 mg/l (Exposure time: 96 h - Species: Danio rerio [static])

<b>Citric Acid (77-92-9)</b> (Historical information; not tested on animals for cosmetics)	
LC50 fish 1	1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)

<b>Limone (5989-27-5)</b> (Historical information; not tested on animals for cosmetics)	
LC50 fish 2	> 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

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<b>Linalool (78-70-6)</b> (Historical information; not tested on animals for cosmetics)	
LC50 fish 1	27.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	20 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>t-Butyl Alcohol (75-65-0)</b> (Historical information; not tested on animals for cosmetics)	
EC50 Daphnia 2	4607 – 6577 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

### 12.2. Persistence and degradability

Not established.

### 12.3. Bioaccumulative potential

<b>Glycerin (56-81-5)</b> (Historical information; not tested on animals for cosmetics)	
BCF fish 1	(no bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	-1.76
<b>Phenoxyethanol (122-99-6)</b> (Historical information; not tested on animals for cosmetics)	
Partition coefficient n-octanol/water (Log Pow)	1.13 (at 25 °C)
<b>Citric Acid (77-92-9)</b> (Historical information; not tested on animals for cosmetics)	
Partition coefficient n-octanol/water (Log Pow)	-1.72 (at 20 °C)
<b>Linalool (78-70-6)</b> (Historical information; not tested on animals for cosmetics)	
Partition coefficient n-octanol/water (Log Pow)	2.84 – 3.1 (at 25 °C)
<b>t-Butyl Alcohol (75-65-0)</b> (Historical information; not tested on animals for cosmetics)	
BCF fish 1	1.09
Partition coefficient n-octanol/water (Log Pow)	0.35

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

Not regulated as hazmat for transport

### Transportation of Dangerous Goods

Not regulated as hazmat for transport

### Transport by sea

Not regulated as hazmat for transport

### Air transport

Not regulated as hazmat for transport

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product is not subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### Canada-Regulations

No additional information available

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

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### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Glycerin (56-81-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Phenoxyethanol (122-99-6)	U.S. - Pennsylvania - RTK (Right to Know) List
Tapioca Starch (9005-25-8)	U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
t-Butyl Alcohol (75-65-0)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

Data sources : DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

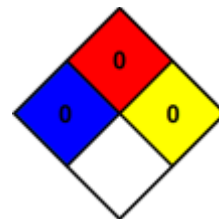
Full text of H-phrases listed in Section 3:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 0 Minimal Hazard - No significant risk to health

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*