

1. Identification

Product identifier	MIZANI BUTTER BLEND RELAXER – FINE/COLOR TREATED
Other means of identification	
SDS number	80-37-003-0
Recommended use	Personal care product used for cosmetic effect.
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	

US Address: L'Oreal USA Products, Inc
133 Terminal Avenue
Clark, NJ 07066
USA

Canadian Address: L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent, H4T 1K5
Canada

Emergency Phone # : 1-800-535-5053 (International: 352-323-3500)
In Canada - 1-613-996-6666 (Canutec (*666 Cellular))

For further Information: 1-732-499-2741

Poison Control # : 412-390-3326

2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 1C
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, repeated exposure	Category 2
OSHA defined hazards	Not classified.	
Label elements		



Signal word Danger

Hazard statement Causes severe skin burns and eye damage. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse.

Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
PETROLATUM		8009-03-8	20
MINERAL OIL		8042-47-5	16
SODIUM HYDROXIDE		1310-73-2	2
BEHENTRIMONIUM METHOSULFATE		81646-13-1	1

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Dry powder. Dry chemicals. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Will burn if involved in a fire. No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

Environmental precautions**7. Handling and storage****Precautions for safe handling**

Do not get in eyes, on skin, or on clothing. Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat and sources of ignition. Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection**Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	PEL	5 mg/m3	Mist.
PETROLATUM (CAS 8009-03-8)	PEL	5 mg/m3	Mist.
SODIUM HYDROXIDE (CAS 1310-73-2)	PEL	2 mg/m3	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.
PETROLATUM (CAS 8009-03-8)	TWA	5 mg/m3	Inhalable fraction.
SODIUM HYDROXIDE (CAS 1310-73-2)	Ceiling	2 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
PETROLATUM (CAS 8009-03-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
SODIUM HYDROXIDE (CAS 1310-73-2)	Ceiling	2 mg/m3	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Occupational Exposure Limits are not relevant to the current physical form of the product.

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Applicable for industrial settings only. Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection	
Hand protection	Applicable for industrial settings only. Wear appropriate chemical resistant gloves.
Other	Applicable for industrial settings only. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	Applicable for industrial settings only. In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Form	Paste.
Color	White to Off-white.
Odor	Characteristic.
Odor threshold	Not available.
pH	12.75 - 13.25
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 212 °F (> 100 °C)
Flash point	> 212.0 °F (> 100.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.94 - 0.96 g/cm ³
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Strong acids. Strong oxidizing agents. Oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.

Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. None expected
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Information on toxicological effects

Acute toxicity	Not known.
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Product	Species	Test Results
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MIZANI BUTTER BLEND RELAXER – FINE/COLOR TREATED

Acute

Dermal

ATEmix		145300 mg/kg
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Oral

ATEmix		319500 mg/kg
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Components	Species	Test Results
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BEHENTRIMONIUM METHOSULFATE (CAS 81646-13-1)

Acute

Oral

LD50	Rat	3190 mg/kg OECD 401
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MINERAL OIL (CAS 8042-47-5)

Acute

Dermal

LD50	Rabbit	> 2000 mg/kg OECD 402
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Inhalation

Aerosol

LC50	Rat	> 5 mg/L air, 4 h OECD 403
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Oral

LD50	Rat	> 5000 mg/kg OECD 401
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PETROLATUM (CAS 8009-03-8)

Acute

Dermal

LD50	Rabbit	> 2000 mg/kg bw Based on test data for structurally similar materials.
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Oral

LD50	Rat	> 5000 mg/kg bw Based on test data for structurally similar materials.
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SODIUM HYDROXIDE (CAS 1310-73-2)

Acute

Dermal

LD50	Rabbit	1350 mg/kg
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Skin corrosion/irritation	Causes severe skin burns and eye damage.
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Irritation Corrosion - Skin

BEHENTRIMONIUM METHOSULFATE

OECD 404

Result: Irritating

Species: Rabbit

MINERAL OIL

OECD 404

Result: Not Irritating

Species: Rabbit

PETROLATUM

OECD 404, Based on test data for structurally similar materials.

Result: Not Irritating

Species: Rabbit

SODIUM HYDROXIDE

Result: Corrosive

Species: Rabbit

Serious eye damage/eye irritation

Causes serious eye damage.

Irritation Corrosion - Eye

BEHENTRIMONIUM METHOSULFATE

OECD 405

Result: Corrosive

Species: Rabbit

SODIUM HYDROXIDE

OECD 405

Result: Corrosive

Species: Rabbit

MINERAL OIL

OECD 405

Result: Not Irritating

Species: Rabbit

PETROLATUM

OECD 405, Based on test data for structurally similar materials.

Result: Not Irritating

Species: Rabbit

Respiratory or skin sensitization**Respiratory sensitization**

Due to partial or complete lack of data the classification is not possible.

Skin sensitization

Due to partial or complete lack of data the classification is not possible.

Skin sensitization

BEHENTRIMONIUM METHOSULFATE

OECD 406

Result: Not Sensitizing

Species: Guinea pig

MINERAL OIL

OECD 406

Result: Not Sensitizing

Species: Guinea pig

PETROLATUM

OECD 406

Result: Not Sensitizing

Species: Guinea pig

SODIUM HYDROXIDE

Result: Not Sensitizing

Species: Human

Germ cell mutagenicity

Due to partial or complete lack of data the classification is not possible.

Mutagenicity

SODIUM HYDROXIDE

Result: In vitro and in vivo tests did not show mutagenic effects.

BEHENTRIMONIUM METHOSULFATE

Result: In vitro tests did not show mutagenic effects

MINERAL OIL

Result: In vitro tests did not show mutagenic effects

PETROLATUM

Result: In vitro tests showed mutagenic effects which were not observed with in vivo test.

Carcinogenicity

Not classifiable as to carcinogenicity to humans. Due to partial or complete lack of data the classification is not possible.

IARC Monographs. Overall Evaluation of Carcinogenicity

MINERAL OIL (CAS 8042-47-5)

3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

PETROLATUM (CAS 8009-03-8)

Known To Be Human Carcinogen.

Reproductive toxicity

Due to partial or complete lack of data the classification is not possible.

Developmental effects

MINERAL OIL

> 5000 mg/kg bw/d OECD 414, No effects on development

Result: NOAEL

Species: Rat

PETROLATUM

30 mg/kg bw/d OECD 414, Based on test data for structurally similar materials.

Result: NOAEL

Species: Rat

BEHENTRIMONIUM METHOSULFATE

30 mg/kg bw/d OECD 421

Result: NOAEL

Species: Rat

Reproductivity

PETROLATUM

> 1000 mg/kg bw/d OECD 421, Based on test data for structurally similar materials.

Result: NOAEL

Species: Rat

MINERAL OIL

>= 2000 mg/kg bw/d OECD 415, No effects on fertility

Result: NOAEL

Species: Rat

BEHENTRIMONIUM METHOSULFATE

75 mg/kg bw/d OECD 421, No effects on fertility

Result: NOAEL

Species: Rat

Specific target organ toxicity - single exposure

Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

MINERAL OIL

> 2000 mg/kg bw/d OECD 411, Dermal

Result: NOAEL

Species: Rat

Test Duration: 90 d

> 50 mg/m³ air OECD 412, Inhalation

Result: NOAEC

Species: Rat

Test Duration: 28 d

>= 1200 mg/kg bw/d OECD 453, Oral

Result: NOAEL

Species: Rat

Test Duration: 2 years

BEHENTRIMONIUM METHOSULFATE

10 mg/kg bw/d OECD 407, Oral

Result: NOAEL

Species: Rat

Test Duration: 28 d

PETROLATUM

5000 mg/kg bw/d OECD 453, Oral

Result: NOAEL

Species: Rat

Aspiration hazard

Based on available data, the classification criteria are not met.

Chronic effects

May cause damage to organs through prolonged or repeated exposure.

12. Ecological information**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species		Test Results
BEHENTRIMONIUM METHOSULFATE (CAS 81646-13-1)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	3.48 lb/gal, 72 h OECD 201
Crustacea	EC50	Daphnia magna	1.39 mg/l, 48 h OECD 211
Fish	LC50	Danio rerio	0.5 - 1 mg/l, 96 h OECD 201
Other	EC50	Activated sludge of a predominantly domestic sewage	43 mg/l, 3 h OECD 209
Chronic			
Crustacea	NOEC	Daphnia magna	0.128 mg/l, 21 d OECD 202

Components		Species	Test Results
Fish	NOEC	Danio rerio	0.24 mg/l, 9 d OECD 212
MINERAL OIL (CAS 8042-47-5)			
Aquatic			
<i>Acute</i>			
Algae	NOEL	Pseudokirchneriella subcapitata	> 100 mg/l, 72 h OECD 201
Crustacea	EL50	Daphnia magna	> 100 mg/l, 48 h OECD 202
Fish	LL50	Oncorhynchus mykiss	> 100 mg/l, 96 h OECD 203
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	10 mg/l, 21 d OECD 211
PETROLATUM (CAS 8009-03-8)			
Aquatic			
<i>Acute</i>			
Algae	NOEL	Pseudokirchneriella subcapitata	> 100 mg/l, 72 h Based on test data for structurally similar materials.
Crustacea	NOEL	Daphnia magna	> 10000 mg/l, 48 h Based on test data for structurally similar materials.
Fish	LL50	Pimephales promelas	> 100 mg/l, 96 h Based on test data for structurally similar materials.
SODIUM HYDROXIDE (CAS 1310-73-2)			
Aquatic			
Fish	LC50	Western mosquitofish (Gambusia affinis)	125 mg/l, 96 hours
<i>Acute</i>			
Crustacea	EC50	Ceriodaphnia dubia	40 mg/l, 48 h
Fish	LC50	Leuciscus idus	189 mg/l, 48 h
Other	EC50	Photobacterium phosphoreum	22 mg/l, 15 min

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

BEHENTRIMONIUM METHOSULFATE

80 % OECD 301

Result: Readily Biodegradable

Test Duration: 28 d

MINERAL OIL

31 % OECD 301 F

Result: Not Readily Biodegradable

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

PETROLATUM

> 6

Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT**FINISHED GOODS**

UN number	UN3263
UN proper shipping name	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (SODIUM HYDROXIDE), Limited Quantity
Class	8
Packing group	III
Transport hazard class(es)	
Label(s)	Limited Quantity
Packaging exceptions	154
LTD QTY Net Inner Capacity	5.0 KG

BULK

UN number	UN3263
UN proper shipping name	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (SODIUM HYDROXIDE)
Class	8
Packing group	III
Transport hazard class(es)	
Label(s)	8
Special provisions	IB8, IP3, T1, TP33
Packaging non bulk	213

IATA**FINISHED GOODS**

UN number	UN3263
UN proper shipping name	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (SODIUM HYDROXIDE)
Class	8
Packing group	III
Transport hazard class(es)	
Label(s)	Class 8, Limited Quantity
ERG Number	8L
LTD QTY Net Inner Capacity	1.0 KG

BULK

UN number	UN3263
UN proper shipping name	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (SODIUM HYDROXIDE)
Class	8
Packing group	III
ERG Number	8L

IMDG**FINISHED GOODS**

UN number	UN3263
UN proper shipping name	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (SODIUM HYDROXIDE), Limited Quantity
Class	8
Packing group	III
Environmental Hazards	
Marine pollutant	No.
Transport hazard class(es)	
Label(s)	Limited Quantity
EmS	F-A, S-B
LTD QTY Net Inner Capacity	5.0 KG

BULK

UN number	UN3263
UN proper shipping name	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (SODIUM HYDROXIDE)
Class	8
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-B

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

SODIUM HYDROXIDE (CAS 1310-73-2) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

No (Exempt)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

16. Other information, including date of preparation or last revision

Issue date 05-08-2018

Version # 01

NFPA ratings Health: 3
Flammability: 1
Instability: 0

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.