

SAFETY DATA SHEET

1. Identification

Product identifier MATRIX TOTAL RESULTS FOOD FOR SOFT OIL

Other means of identification

SDS number 30-19-0000128

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 Flammable liquids Category 3

Health hazards Aspiration hazard Category 1

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Flammable liquid and vapor. May be fatal if swallowed and enters airways.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.

Response

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use appropriate media to extinguish.

Storage

Store in a well-ventilated place. Keep cool. 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	%
ISODODECANE		93685-81-5	44.63
C11-13 ISOPARAFFIN		90622-58-5	15.7
AMODIMETHICONE		106842-44-8	2.5

*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. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
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	Aspiration may cause pulmonary edema and pneumonitis.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal 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	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. 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	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. 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

Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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 handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Biological limit values

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

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection

Applicable for industrial settings only. Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

Other

Applicable for industrial settings only. Wear suitable protective clothing.

Respiratory protection

Applicable for industrial settings only. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. 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

Liquid.

Color

Colorless.

Odor

Characteristic.

Odor threshold

Not available.

pH

Not applicable.

Melting point/freezing point

Not available.

Initial boiling point and boiling range

> 212 °F (> 100 °C)

Flash point

129.2 °F (54.0 °C) Closed Cup

Evaporation rate

Not available.

Flammability (solid, gas)

Not applicable.

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 0.8 g/cm³

Explosive properties Not explosive.

Fire point < 212.00 °F (< 100.00 °C) ISO 2592

Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

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. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation No adverse effects due to inhalation are expected.

Skin contact No adverse effects due to skin contact are expected.

Eye contact No adverse effects due to eye contact are expected.

Ingestion Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics Aspiration may cause pulmonary edema and pneumonitis.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

Components	Species	Test Results
AMODIMETHICONE (CAS 106842-44-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	> 8000 mg/kg

Components	Species	Test Results
C11-13 ISOPARAFFIN (CAS 90622-58-5)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg Based on test data for structurally similar materials.
Inhalation		
<i>Vapor</i>		
LC50	Rat	> 5000 mg/m3, 8 h Based on test data for structurally similar materials.
Oral		
LD50	Rat	> 5000 mg/kg Based on test data for structurally similar materials.
ISODODECANE (CAS 93685-81-5)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg OECD 402
Inhalation		
<i>Vapor</i>		
LC50	Rat	> 21.3 mg/l, 1 h
Oral		
LD50	Rat	> 5000 mg/kg OECD 401
Skin corrosion/irritation	No adverse effects due to skin contact are expected.	
Irritation Corrosion - Skin		
ISODODECANE		OECD 404 Result: Not Irritating Species: Rabbit
C11-13 ISOPARAFFIN		OECD 404, Based on test data for structurally similar materials. Result: Not Irritating Species: Rabbit
AMODIMETHICONE		Result: Irritating Species: Rabbit
Serious eye damage/eye irritation	No adverse effects due to eye contact are expected.	
Irritation Corrosion - Eye		
ISODODECANE		OECD 405 Result: Not Irritating Species: Rabbit
C11-13 ISOPARAFFIN		OECD 405, Based on test data for structurally similar materials. Result: Not Irritating Species: Rabbit
AMODIMETHICONE		Result: Irritating Species: Rabbit
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Skin sensitization		
ISODODECANE		OECD 406 Result: Not Sensitizing Species: Guinea pig
C11-13 ISOPARAFFIN		OECD 406, Based on test data for structurally similar materials. Result: Not Sensitizing Species: Guinea pig
AMODIMETHICONE		Result: Not Sensitizing Species: Guinea pig

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity

ISODODECANE

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

AMODIMETHICONE

Result: In vitro tests did not show mutagenic effects

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Developmental effects

ISODODECANE

>= 5220 mg/m3 air OECD 414

Result: NOAEL

Species: Rat

Reproductivity

ISODODECANE

>= 1000 mg/kg bw/d OECD 414

Result: NOAEL

Species: Rat

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

ISODODECANE

>= 200 ppm OECD 413, Inhalation

Result: NOAEL

Species: Rat

>= 5000 mg/kg bw/d OECD 408, Oral

Result: NOAEL

Species: Rat

Test Duration: 90 d

Aspiration hazard May be fatal if swallowed and enters airways.

Further information The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

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
AMODIMETHICONE (CAS 106842-44-8)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	11 mg/l, 48 h OECD 202
C11-13 ISOPARAFFIN (CAS 90622-58-5)			
Aquatic			
<i>Acute</i>			
Algae	EL0	Pseudokirchneriella subcapitata	1000 mg/l, 72 h
	NOELR	Pseudokirchneriella subcapitata	1000 mg/l, 72 h
Crustacea	EL0	Daphnia magna	1000 mg/l, 48 h
Fish	LL0	Danio rerio	1000 mg/l, 96 h
<i>Chronic</i>			
Crustacea	NOELR	Daphnia magna	1 mg/l, 21 d

Components	Species	Test Results
ISODODECANE (CAS 93685-81-5)		
Aquatic		
<i>Acute</i>		
Algae	EL50	Pseudokirchneriella subcapitata > 1000 mg/l, 72 h OECD 201
Crustacea	EL50	Daphnia magna > 1000 mg/l, 48 h OECD 202
Fish	LL50	Oncorhynchus mykiss > 1000 mg/l, 96 h OECD 203
Other	EC0	Pseudomonas putida > 100 mg/l, 24 h

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

AMODIMETHICONE

Result: Not Readily Biodegradable

ISODODECANE

31.3 % OECD 301 F

Result: Not Readily Biodegradable

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

ISODODECANE

6.4

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.

Hazardous waste code

This product is ignitable (D001) RCRA hazardous wastes when intended for disposal.

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

UN2286

UN proper shipping name

PENTAMETHYLHEPTANE SOLUTION, Limited Quantity

Class

3

Packing group

III

Transport hazard class(es)

Label(s)

Limited Quantity

Packaging exceptions

150

LTD QTY Net Inner Capacity

5.0 L

BULK

UN number

UN2286

UN proper shipping name

PENTAMETHYLHEPTANE SOLUTION

Class

3

Packing group

III

Transport hazard class(es)

Label(s)

3

Special provisions

B1, IB3, T2, TP1

Packaging non bulk

203

IATA

FINISHED GOODS

UN number

ID8000

UN proper shipping name

CONSUMER COMMODITY

Class	9
Packing group	Not applicable.
Transport hazard class(es)	
Label(s)	Class 9, Limited Quantity
ERG Number	9L
LTD QTY Net Inner Capacity	0.5 L
BULK	
UN number	UN2286
UN proper shipping name	PENTAMETHYLHEPTANE SOLUTION
Class	3
Packing group	III
ERG Number	3L
IMDG	
FINISHED GOODS	
UN number	UN2286
UN proper shipping name	PENTAMETHYLHEPTANE SOLUTION, Limited Quantity
Class	3
Packing group	III
Environmental Hazards	
Marine pollutant	No.
Transport hazard class(es)	
Label(s)	Limited Quantity
EmS	F-E, S-D
LTD QTY Net Inner Capacity	5.0 L
BULK	
UN number	UN2286
UN proper shipping name	PENTAMETHYLHEPTANE SOLUTION
Class	3
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-D

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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)

Not 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.

