



MATERIAL SAFETY DATA SHEET

Revision 02.03.2020 – Version no. 0

Product name: REFRESHING HAND GEL NO FRAGRANCE

MATERIAL SAFETY DATA SHEET

Safety Data Sheet in compliance with Regol. (EC) n. 830/2015

Section 1 - Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Supplier Code

OI3148

Product name

REFRESHING HAND GEL NO FRAGRANCE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description/Uses

REFRESHING HAND GEL

Adverse Uses

None known.

1.3. Details of the supplier of the safety data sheet

COSMINT S.p.A.

Via XXV Aprile n.15

22077 OLGiate COMASCO (CO - ITALY)

Competent person for the Safety Data Sheet (e.mail): msds@cosmint.it

For info: +39 031 996711 (h 08.30 / 13.00 - 14.00 / 17.00)

1.4. Emergency telephone number (Italy)

115 - National Corps of Firefighters – 24h/24h

02.66101029 - Poison Center in Milan - 24h/24h

Section 2 - Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) n. 1272/2008:

- H225 - Flam. Liq.2
- H319 - Eye Irrit. 2

2.2. Label elements

Classification according to Regulation (EC) n. 1272/2008:



Warning: Danger

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H225 Flammable liquid and vapour.

H319 Cause serious eyes irritation

Consigli di prudenza

P210 Keep away from heat. — No smoking.

P233 Keep the container tightly closed

P261 Avoid breathing vapors.

P280 Wear gloves and protect your eyes.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370 + P378 In case of fire: Use foam, dry chemical, carbon dioxide for extinction.

2.3. Other hazards

This mixture does not contain any Persistent, bioaccumulative and toxic substances in concentration above 0,1%. The mixture does not contain any very persistent and very bioaccumulative substances (vPvB) in concentration above 0,1%.

Section 3 - Composition/information on ingredients**3.1. Substances**

Not applicable.

3.2. Mixtures

Substances identification	Labels	H Code	%
Ethanol CAS: 64-17-5 EC Number: 200-578-6 Index Number: 603-002-00-5 N° REACH: 01-2119457610-43-0090	 	Flam. Liq. 2, H225 Eye Irrit. 2, H319	60 - 80 %
2-phenoxyethanol CAS: 122-99-6 EC Number: 204-589-7 Index Number: 603-098-00-9 N. Reg. REACH: 01-2119488943-21-0000		Eye Irrit. 2, H319 Acute Tox. 4, H302	0,1 - 1 %
2-Amino-2-methyl-1-propanol CAS: 124-68-5 EC Number: 204-709-8 N. Reg. REACH: 01-2119475788-16-0000		Skin Irrit. 2, H315; Eye Dam. 2, H319; Aquatic Chronic 3, H412	0,1 - 0,5 %

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3-(2-ethylhexyloxy)propane-1,2-diol CAS: 70445-33-9 EC Number: 408-080-2 Index Number: 603-168-00-9 N. Reg. REACH: 01- 0000015745-65-0001		Eye Dam. 1, H318 Acute Tox. 4, H332 Aquatic Chronic 2, H412	0,1 - 0,5 %
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Section 4 - First aid measures

4.1. Description of first aid measures

Dust inhalation	Not applicable
Gases/vapors inhalation	Take affected person away from the polluted area.
Skin contact	In case of complaint, wash with water and soap. In case of skin irritation, consult a doctor.
Eye contact	Flush eyes carefully with plenty of water for several minutes, keeping eyelid wide open. If it's easy to do, remove contact lenses and keep on washing.
Ingestion	Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed by a physician or poison center. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

4.2. Most important symptoms and effects, both acute and delayed

Dust inhalation	No effects.
Gases/vapors inhalation	May cause irritation of the respiratory tract.
Skin contact	May causes skin irritation.
Eye contact	Direct contact with the pure substance cause irritation/redness.
Ingestion	May cause abdominal pain and irritation of internal tissues.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information.

Section 5 - Firefighting measures

5.1. Extinguishing media

The product is highly flammable. If necessary, use foam, dry chemical, carbon dioxide. For any leaks and spills, if not caught fire, it is possible to use nebulized water, in order to disperse the flammable vapors and protect the people involved in stopping the leakage.

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*Product name: REFRESHING HAND GEL NO FRAGRANCE***5.2. Special hazards arising from the substance or mixture**

An excess pressure may form into the containers exposed to fire, and this may cause risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters

Use suitable Personal Protective Equipment (breathing apparatus, safety hat, safety spectacles, fireproof suit, gloves and boots).

Additional prescription

Operate in accordance with the Internal Emergency Plan. Remove all ignition sources. In case of fire, cool down the containers and storage tanks. Avoid the spilling in water of the products used for fire extinction.

Section 6 - Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

If safe, try to stop leak. Eliminate all sources of ignition. Avoid walking on the liquid to prevent from slipping. Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) in order to prevent any contamination of skin, eyes and personal clothing. These prescriptions are valid both for workers and for emergency actions.

6.2. Environmental precautions

Prevent dispersal of spilled product, runoff and contact with soil, waterways, drains and sewers.

6.3. Methods and material for containment and cleaning up

Collect in suitable containers. Dispose in accordance with local regulations. Clean up affected area.

6.4. Reference to other sections

See Section 8 for information about Personal Protective Equipment.

See Section 13 for waste disposal.

Section 7 - Handling and storage**7.1. Precautions for safe handling**

Keep away from heat, sparks and open flames. Do not smoke and do not use matches or lighters. Vapors may ignite and explode. Therefore, it is necessary to avoid accumulation by keeping the windows and doors open, and ensuring a good ventilation. Without adequate ventilation, the vapors may accumulate on the ground and, if triggered off, they could even ignite at a distance, with the risk of flashback. Keep the product away from your face to avoid contact with eyes. Do not keep in contact the product with the skin for a long time. Wash hands right after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

It is better to store away from direct sun, in airy, cool and dry places. Avoid heat, radiation, static electricity and contact with food. Preferably, do not store in places with temperature

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higher than 20°C, for a long time. Store with care, to avoid risks due to instability or breaking of the packaged products. Keep absorbent material at disposal nearby the product.

7.3. Specific end use(s)

No additional prescription.

Section 8 - Exposure controls/personal protection

8.1. Control parameters

Components with limit values that require monitoring at the workplace (ITALY):

EC Number	CAS Number	Denominazione dell'agente	VALORE LIMITE			
			8 ore		Breve Termine	
			mg/m ³	ppm	mg/m ³	ppm
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Other control parameters or information

Ethanol

CAS: 64-17-5

EC Number: 200-578-6

DNEL

Long-term systemic effects (Inhalation): 950 mg/m³

Short-term local effects (Inhalation): 1900 mg/m³

Long-term systemic effects (Dermal): 343 mg/m³

2-phenoxyethanol

CAS: 122-99-6

EC Number: 204-589-7

DNEL

Long-term systemic effects (Dermal): 20,83 mg/Kg bw/day

Long-term systemic and local effects (Inhalation): 8,07 mg/m³

8.2. Exposure controls

Appropriate engineering controls

No additional prescription.

Individual protection measures, such as personal protective equipment

Eye / face protection

Wear safety goggles (EN 166) with side screens.

Hand Protection

If necessary, wear protective gloves (EN 374) in the following materials: natural rubber (NR), PVC, nitrile rubber (NBR).

Skin protection

No additional prescriptions.

Respiratory protection

Under normal working conditions no protective equipment are required. Do not sniff the product. If necessary, wear a mask with a Type-A filter. Choose the class (1, 2 or 3) according to the limit concentration of use.

Thermal hazards

No additional prescriptions.

Environmental exposure controls

Observe operating instructions; do not disperse into drains or into the environment; manage waste and empty containers according to local regulations (see Section 13).

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*Product name: REFRESHING HAND GEL NO FRAGRANCE***Section 9 - Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance (physical state at 23°C):	Gel
Odour:	Characteristic
Color:	Uncolored
pH:	7.70 - 8.60
Melting-point/freezing point:	No data available
Initial boiling point, boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (Solid, gas):	Not self- flammable product
Upper/lower flammability or expl. limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	0.840 – 0.940
Solubility(ies):	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	5500 - 8500
Explosive properties:	No data available
Oxidising properties:	No data available
COV	70.3 - 77.7 %

9.2. Other information

No additional information.

SEZIONE 10 - Stabilità e reattività

Under normal conditions of use, handling and storage, the mixture remains stable (see Section 7). For this reason, under application, according to correct methods of use, it does not result any dangers of instability.

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Vapors can form explosive mixtures with air.

ETHANOL: risk of explosion for contact with: alkali metals, alkali oxides, calcium hypochlorite, sulfur monofluoride, acetic anhydride (with acids), concentrated hydrogen peroxide, perchlorates, perchloric acid, perchloronitrile, mercury nitrate, nitric acid, silver and nitric acid, silver nitrate, silver nitrate and ammonia, silver oxide and ammonia, strong oxidizing agents, nitrogen dioxide. May react with: bromine acetylene, chlorine acetylene, bromine trifluoride, chromium trioxide, cromyl chloride, oxiranes, fluorine,



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potassium tert-butoxide, lithium hydride, phosphorus trioxide, black platinum, zirconium chloride (IV), iodide of zirconium (IV). Form explosive mixtures with air.

10.4. Conditions to avoid

Avoid overheating. Avoid the accumulation of electrostatic charges. Avoid any source of ignition.

10.5. Incompatible materials

No additional information.

10.6. Hazardous decomposition products

Formation of toxic gases is possible during heating or in case of fire.

Section 11 - Toxicological information

11.1. Information on toxicological effects

No specific data are available for the mixture.

Etanolo	Values LD50/LC50 relevant for classification
CAS: 64-17-5	- INHALATION – Rat (10 h)
EC Number: 200-578-6	Value = 20.000 ppm
Index Number: 603-002-00-5	- ORAL – Rat
	Value = 7.060 mg/kg
	- DERMAL - Rabbit
	Value = 20 g/kg
3-(2-ethylhexyloxy)propane-1,2-diol	Values LD50/LC50 relevant for classification
CAS: 70445-33-9	- INHALATION – Rat
EC Number: 408-080-2	Value > 3,07 mg/l
	- ORAL – Rat
	Value > 2.000 mg/kg
	- DERMAL - Rat
	Value > 2.000 mg/kg
2-phenoxyethanol	Values LD50/LC50 relevant for classification
CAS: 122-99-6	- INHALATION – Rat
EC Number: 204-589-7	Value > 1000 mg/m3
	- ORAL – Rat
	Value = 1.850 mg/kg
	- DERMAL - Rabbit
	Value > 2.214 mg/kg

Information about presumable ways of exposure

The mixture is not toxic to any route of exposure (oral/cutaneous/inhalation).

Symptoms related to the physical, chemical and toxicological

No further information.

Immediate, delayed and chronic effects resulting from short and long-term exposures

No further information.

Interactive effects

No further information.



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Lack of specific data

No further information.

Other information

No further information.

Section 12 - Ecological information

12.1. Toxicity

No specific data are available for the mixture.

Ethanol

CAS: 64-17-5

EC Number: 200-578-6

EC₅₀ / 24 h – 23,9 g/l (Artemia salina)
EC₅₀ / 48 h – 18 g/l (Chlamydomonas eugametos)
EC₅₀ / 48 h – 12,34 g/l (Daphnia Magna)
EC₅₀ / 48 h – 5,012 g/l (Ceriodaphnia dubia)
EC₅₀ / 48 h – 857 mg/l (Artemia salina nauplii)
EC₁₀ / 72 h – 11,5 mg/l (Chlorella vulgaris)
EC₅₀ / 72 h – 275 mg/l (Chlorella vulgaris)
EC₁₀ / 72 h – 0,44 g/l (Selenastrum capricornutum)
EC₅₀ / 72 h – 12,9 g/l (Selenastrum capricornutum)
LC₅₀ / 96 h – 13 g/l (Salmo gairdneri)
LC₅₀ / 96 h – 13,5, 14,2 and 15,3 g/l (Pimephales promelas)
NOEC / 21 d – >10 mg/l (Daphnia magna)
NOEC / 10 d – 79 mg/l (Palaemonetes pugio)
NOEC / 5 d – 3,24 g/l (Skeletonema costatum)

2-Amino-2-methyl-1-propanol

CAS: 124-68-5

EC Number: 204-709-8

EC₅₀/3 h – 342,9 mg/l (Activated sludge – OECD 209)
LC₅₀/48 h – 193 mg/l (Daphnia magna – OECD 202)
LC₅₀/48 h – 331 mg/l (Leuciscus idus – OECD 203)
EC₅₀/72 h – 565,5 mg/l (Alga Scenedesmus sp. – OECD 201)
LC₅₀/96 h – 190 mg/l (Lepomis macrochirus – OECD 203)
LC₅₀/96 h – 184 mg/l (European plaice – OECD 203)
LC₅₀/96 h – 179 mg/l (Crangon crangon – OECD 202)

3-(2-ethylhexyloxy)propane-1,2-diol

CAS: 70445-33-9

EC Number: 408-080-2

EC₅₀ / 24 h – 89,6 mg/l (Daphnia)
LC₅₀ / 72 h – 48,3 mg/l (Green algae)
LC₅₀ – 60,2 mg/l (Brachydanio Rerio)
NOEC / 35 d – 1,5 mg/l (Brachydanio Rerio)
NOEC / 21 d – 20 mg/l (Daphnia)

12.2. Persistence and degradability

Etanolo (CAS: 64-17-5)

Easily biodegradable (BOD₂₀=84%)

2-Amino-2-methyl-1-propanol (CAS: 124-68-5)

Easily biodegradable (BOD₂₀=89,3%)

12.3. Bioaccumulative potential

Etanolo (CAS: 64-17-5)

Based on the n-octanol/water partition coefficient, ethanol has a low bioaccumulation content.

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*Product name: REFRESHING HAND GEL NO FRAGRANCE*2-Amino-2-methyl-1-propanol (CAS: 124-68-5)

Based on the n-octanol/water partition coefficient, ethanol has a low bioaccumulation content.

12.4. Mobility in soilEtanolo (CAS: 64-17-5)

If released in air or water the product disperses rapidly. If released to the ground it tends to evaporate quickly. The product is volatile and soluble in water. If released into the environment it will restart in air and water. The product is poorly absorbed in soil and sediment.

2-Amino-2-methyl-1-propanol (CAS: 124-68-5)

Potential for mobility in soil is very high (Koc between 0 and 50)

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is known in the mixture with a concentration >0,1% w/w.

12.6. Other adverse effects

No further information.

Section 13 - Disposal considerations**13.1. Waste treatment methods**

For waste disposal apply the same safety principles as for the mixture (see sections 7 e 8). Dispose as required by national or local regulations.

Section 14 - Transport information**14.1. UN number**

UN 1170

14.2. UN proper shipping name

ETANOLO IN SOLUZIONE

14.3. Transport hazard class(es): 3**14.4. Packing group: II****14.5. Environmental hazards**

NO DANGEROUS FOR THE ENVIRONMENT

14.6. Special precautions for user

No further information.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not evaluated.

**Section 15 - Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture****EU Regulations:**

- Regulation (EC) n. 1907/2006 (REACH) Annex XIV (List of Authorized Substances)

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This product does not contain any substances included in Annex XIV (the “List of Authorized Substances”).

- REACH List of substances of very high concern (SVHC): This product does not contain any substances included in the “Candidate List” in accordance with annex 57 letter a), Regulations (EC) n. 1907/2006 (REACH).
- Regulation (EC) n. 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON MANUFACTURING, MARKETING AND USE OF CERTAIN SUBSTANCES, PREPARATIONS AND HARMFUL ARTICLES This product does not contain any substances included in the list of restrictions in Annex XVII.

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

Section 16: Other information

This Safety Data Sheet supersedes any previous edition.

The information in this Safety Data Sheet is correct according to our best knowledge of the product at the time of publication. This information is provided with the purpose of allowing the use, storage, transportation and disposal of the product in the most correct and safe way. This information should not be considered a guarantee or a specific product quality. They refer only to the material indicated (Section 1) and are not valid for combination with other materials or processes not listed in the Safety Data Sheet.

The end user must ensure the suitability and completeness of the information in relation to the own use.