Safety Data Sheet
SPECIFEEL EM
Safety Data Sheet dated 27/05/2024 version 13
Previous version: 12.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: SPECIFEEL EM
Trade code: R.PC.BR.SPEC.0050
UFI: K030-P087-G00Q-TGNN

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

Recommended use: Cosmetic use; Raw material for cosmetic use
Uses advised against: All uses not identified in the recommended uses.

1.3. Details of the supplier of the safety data sheet

Roelmi HPC S.r.l. - Via Celeste Milani, 24 - 21040 Origgio (VA) - ITALY
Tel: (+39) 02-33510150
Fax (+39) 02-33549210 Company:
Responsable: info.msds@roelmihpc.com

1.4. Emergency telephone number

CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA Roma (+39) 06 68593726
Az. Osp. Univ. Foggia Foggia (+39) 800183459
Az. Osp. "A. Cardarelli" Napoli (+39) 081-7472870
CAV Policlinico "Umberto I" Roma (+39) 06-49978000
CAV Policlinico "A. Gemelli" Roma (+39) 06-3054343
Az. Osp. "Careggi" U.O. Tossicologia Medica Firenze (+39) 055-7947819
CAV Centro Nazionale di Informazione Tossicologica Pavia (+39) 0382-24444
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Azienda Ospedaliera Papa Giovanni XXII Bergamo (+39) 80088330
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Skin Irrit. 2	Causes skin irritation.
Eye Dam. 1	Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms and Signal Word

Danger

Hazard statements

H315	Causes skin irritation.
H318	Causes serious eye damage.

Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/…
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Contains

Sodium Cocoamphoacetate

Reaction products of D-Glucose and C10-C16 (even numbered) alcohols

Sodium N-lauroylsarcosinate

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture identification: SPECIFEEL EM

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
≥ 10 - < 12.5 %	Sodium N-lauroylsarcosinate	CAS:137-16-6 EC:205-281-5	Skin Irrit. 2, H315; Eye Dam. 1, H318 Specific Concentration Limits: 1% ≤ C < 30%: Eye Irrit. 2 H319 C < 34.5%: Acute Tox. 4 H332	01-2119527780-39-XXXX
≥ 7 - < 10 %	Sodium Cocoamphoacetate	CAS:90387-76-1 EC:931-291-0	Eye Dam. 1, H318; Aquatic Chronic 3, H412 Acute Toxicity Estimate: ATE - Oral: 5 mg/kg bw ATE - Dermal: 2.612 mg/kg bw	01-2119487973-19-XXXX
≥ 5 - < 7 %	Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate	CAS:1471313-51-5 EC:263-174-9	Eye Irrit. 2, H319	01-2119976339-21-xxxx
≥ 5 - < 7 %	Reaction products of D-Glucose and C10-C16 (even numbered) alcohols	CAS:110615-47-9	Skin Irrit. 2, H315; Eye Dam. 1, H318	01-2119489418-23-XXXX

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediatley and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray.

Carbon dioxide (CO_2).

Extinguishing media which must not be used for safety reasons:

Jet water.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhaltion of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

Industrial sector specific solutions:

For applications other than those set out in section 1.2, please contact the supplier.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Predicted No Effect Concentration (PNEC) values

Sodium N-lauroylsarcosinate

CAS: 137-16-6 Exposure Route: Marine water; PNEC Limit: 0.001 mg/l
Exposure Route: Fresh Water; PNEC Limit: 0.009 mg/l
Exposure Route: Freshwater sediments; PNEC Limit: 0.064 mg/kg
Exposure Route: Marine water sediments; PNEC Limit: 0.006 mg/kg

Sodium Cocoamphoacetate

CAS: 90387-76-1 Exposure Route: Fresh Water; PNEC Limit: 61 µg/l
Exposure Route: Marine water; PNEC Limit: 6 µg/l
Exposure Route: Soil; PNEC Limit: 0.012 mg/kg bw/d
Exposure Route: Freshwater sediments; PNEC Limit: 0.24 mg/kg/day
Exposure Route: Marine water sediments; PNEC Limit: 0.02 mg/kg/day
Exposure Route: Rilascio intermittente; PNEC Limit: 40 µg/l
Exposure Route: STP; PNEC Limit: 56 mg/l

Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate

CAS: 1471313-51-5 Exposure Route: Fresh Water; PNEC Limit: 40 µg/l
Exposure Route: Marine water; PNEC Limit: 4 µg/l
Exposure Route: Freshwater sediments; PNEC Limit: 200 µg/kg
Exposure Route: Soil; PNEC Limit: 0.0165 mg/kg
Exposure Route: Marine water sediments; PNEC Limit: 20 µg/kg

Reaction products of D-Glucose and C10-C16 (even numbered) alcohols

CAS: 110615-47-9 Exposure Route: Fresh Water; PNEC Limit: 0.176 mg/l
Exposure Route: Marine water; PNEC Limit: 0.018 mg/l
Exposure Route: Freshwater sediments; PNEC Limit: 1.516 mg/kg
Exposure Route: Marine water; PNEC Limit: 0.065 mg/kg
Exposure Route: Soil (agricultural); PNEC Limit: 0.654 mg/kg

Derived No Effect Level (DNEL) values

Sodium N-lauroylsarcosinate

CAS: 137-16-6 Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 10 mg/kg bw/d

Sodium Cocoamphoacetate

CAS: 90387-76-1 Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 1 mg/kg/day

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker: 16.7 mg/kg; Consumer: 10 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker: 11.75 mg/m3; Consumer: 3.48 mg/m3

Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate

CAS: 1471313-51-5 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker: 66.12 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker: 18.75 mg/kg bw/d

Reaction products of D-Glucose and C10-C16 (even numbered) alcohols

CAS: 110615-47-9 Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Professional: 595000 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Professional: 420 µg/kg

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Consumer: 357000 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term (repeated)
Consumer: 35.7 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term (repeated)
Consumer: 124 µg/kg

8.2. Exposure controls

Eye protection:

Safety glasses according to EN 166 EU standard and any adjustments.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Gloves resistant to chemicals according to EN 374 and any adjustments.

Respiratory protection:

If the risk assessment foresees the need to use a filtering face mask according to EN 14387 and further adjustments.

Thermal Hazards:

Not required for normal use.

Environmental exposure controls:

Not required for normal use.

Hygienic and Technical measures: Not required for normal use..

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: viscous liquid. Colorless to pale yellow

Odour: Characteristic

pH: 8.5-9.5

Kinematic viscosity: N.A.

Melting point/freezing point: N.A.

Boiling point or initial boiling point and boiling range: 100 °C (212 °F)

Flash point: N.A.
Lower and upper explosion limit: N.A.
Relative vapour density: N.A.
Vapour pressure: N.A.
Density and/or relative density: N.A.
Solubility in water: Soluble
Solubility in oil: N.A.
Partition coefficient n-octanol/water (log value): N.A. because the product is a mixture.
Auto-ignition temperature: The product has no flammable properties.
Decomposition temperature: The product is not susceptible to decomposition.
Flammability: Not flammable.
Volatile Organic compounds - VOCs = 0%
Particle characteristics:
Particle size: N.A.

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not known under normal conditions of use.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

In the event of overheating and fire, irritating/toxic gases/vapours may be developed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	The product is classified: Skin Irrit. 2(H315)
c) serious eye damage/irritation	The product is classified: Eye Dam. 1(H318)
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met

h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

Sodium N-lauroylsarcosinate

CAS: 137-16-6	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg bw
		LC50 Inhalation Rat < 0.5 mg/l
	b) skin corrosion/irritation	Skin Irritant Skin Irritating

Sodium Cocoamphoacetate

CAS: 90387-76-1	a) acute toxicity	ATE - Oral: 5 mg/kg bw
		ATE - Dermal: 2.612 mg/kg bw
		LD50 Oral Rat > 5000 mg/kg
		LD50 Skin Rat > 5000 mg/kg
	c) serious eye damage/irritation	Eye Corrosive Rabbit Yes

Fatty acid chlorides, C12-18 (even numbered) and C18 unsatd., reaction products with sodium N-methyltaurinate

CAS: 1471313-51-5	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg
		LD50 Skin Rat > 2000 mg/kg
	c) serious eye damage/irritation	Eye Irritant Rabbit Irritating

Reaction products of D-Glucose and C10-C16 (even numbered) alcohols

CAS: 110615-47-9	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg
		LD50 Skin Rabbit > 2000 mg/kg
	b) skin corrosion/irritation	Skin Irritant Rabbit Irritating
	c) serious eye damage/irritation	Eye Corrosive Yes
	d) respiratory or skin sensitisation	Skin Sensitization Guineapig No
	e) germ cell mutagenicity	Mutagenesis Negative

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
Eco-Toxicological Information:
Biodegradability: > 90%. Quickly biodegradable
No ecological problems are to be expected when the product is handled and used with due care and attention.

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

12.2. Persistence and degradability

Sodium N-lauroylsarcosinate

CAS: 137-16-6 Readily biodegradable

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration >= 0.1%

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7 Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

N.A.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

N.A.

14.6. Special precautions for user

N.A.

Road and Rail (ADR-RID):

N.A.

Air (IATA):

N.A.

Sea (IMDG):

N.A.

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)
Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3

Restrictions related to the substances contained: None.

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Class 3: extremely hazardous.

SVHC Substances:

No SVHC substances present in concentration >= 0.1%

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE: Acute Toxicity Estimate
ATEmix: Acute toxicity Estimate (Mixtures)
BCF: Biological Concentration Factor
BEI: Biological Exposure Index
BOD: Biochemical Oxygen Demand
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CAV: Poison Center
CE: European Community
CLP: Classification, Labeling, Packaging.
CMR: Carcinogenic, Mutagenic and Reprotoxic
COD: Chemical Oxygen Demand
COV: Volatile Organic Compound
CSA: Chemical Safety Assessment
CSR: Chemical Safety Report
DMEL: Derived Minimal Effect Level
DNEL: Derived No Effect Level.
DPD: Dangerous Preparations Directive
DSD: Dangerous Substances Directive
EC50: Half Maximal Effective Concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances.
ES: Exposure Scenario
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KAFH: KAFH
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
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