

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **C-Pep™ Elastyl CC**

Version: 6

Revision: 2020.10.23

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

| | |
|------------|--|
| Trade name | C-Pep™ Elastyl CC |
| CAS number | 62125-22-8 (and) 65381-09-1 (and) 94891-33-5 (and) 108-32-7 (and) 171263-26-6 |

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

| | |
|----------------------|---|
| Recommended Use | SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites SU21 Consumer uses: Private households/general public/Consumers SU22 Professional uses |
| Uses advised against | Not determined |
| Product category | Not determined |
| Process category | Not determined |

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier
CORUM INC.
6FL., No.360, Ruei Guang Rd.,
Neihu Dist, Taipei 11492, Taiwan
Further information obtainable from
marketing.support@corum.com.tw

1.4 Emergency telephone number

| | |
|----------------------|--|
| Company phone number | CORUM Tel. 886-2-8751-6060 Fax. 886-2-8751-6363 |
|----------------------|--|

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
This substance is not classified according to the CLP regulation

2.2 Label elements

Label according to Regulation (EC) No 1272/2008
Not applicable

2.3 Other hazards

Results of PBT and vPvB assessment
Not applicable

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterization: Mixtures

3.2 Composition/information on ingredients

| Chemical Name | CAS No. | EC No. |
|--------------------------------|-------------|-----------|
| Pentaerythrityl Tetraistearate | 62125-22-8 | 263-423-1 |
| Caprylic/Capric Triglyceride | 65381-09-1 | 265-724-3 |
| Stearalkonium Hectorite | 94891-33-5 | 305-633-9 |
| Propylene Carbonate | 108-32-7 | 203-572-1 |
| Palmitoyl Hexapeptide-12 | 171263-26-6 | --- |

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|----------------------------|--|
| General information | Remove contaminated clothing. Seek medical treatment. |
| After inhalation | Supply fresh air. Consult a doctor in case of complaints. |
| After skin contact | Immediately wash with soap and copious amounts of water If symptoms develop, seek medical attention |
| After eye contact | Rinse opened eyes for 15 minutes under running water. If symptoms persist, consult a doctor. |
| After swallowing | Rinse mouth with water Call a doctor immediately. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|-----------------|---|
| Symptoms | No further relevant information available |
|-----------------|---|

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|---|
| Note to physicians | No further relevant information available |
|---------------------------|---|

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media

Not determined

5.2 Special hazards arising from the substance or mixture

No further relevant information available

5.3 Advice for firefighters

No special measures required

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

May have particular danger of slipping on leaked/spilled product.

Avoid contact with skin, eyes and clothes.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Sweep up, place in a bag and hold for waste disposal.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precaution for safe handling

Advice on safe handling

No special precautions are necessary if used correctly.

Avoid free fall and splashing.

Prevent the risk of slipping.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Protect from heat and direct sunlight.

Protect from humidity and water.

Protect from exposure to the light. Keep container tightly sealed.

Incompatible materials

None known based on information supplied

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Storage class (VbF) No

7.3 Specific end use(s) No further relevant information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits The product does not contain relevant quantities of materials with critical values that have to be monitored at the workplace.

DNEL Not determined

PNEC Not determined

Additional information The valid lists during this review were used as a basis.

8.2 Exposure controls

Personal protective equipment

Respiration protection Not necessary if room is well-ventilated.

Hands protection Protective gloves



The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection Chemical safety goggles

General protective measure Avoid contact with the eyes and skin.

General hygiene measure The usual precautionary measures are to be adhered to when handling chemicals.

Environmental exposure controls No further relevant information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties

| | |
|---|--|
| Physical State | Liquid |
| Appearance | Liquid |
| Color | Pale yellow with hazy |
| Odor | Characteristic |
| Odor threshold | 100 ppm |
| | |
| <u>Property</u> | |
| pH value (5%) | Not determined |
| Melting point/Melting range | Not determined |
| Boiling point/Boiling range | Not determined |
| Flash point | >250°C (ASTM D92) |
| Flammability (solid, gaseous) | Not applicable |
| Ignition temperature | Not determined |
| Decomposition temperature | Not determined |
| Self-igniting | Product is not self-igniting |
| Danger of explosion | Product does not present an explosion hazard |
| Explosion limit | |
| Lower | Not determined |
| Upper | Not determined |
| Oxidizing properties | Not determined |
| Explosive properties | Not determined |
| Vapor pressure | Not determined |
| Vapor density | Not determined |
| Relative density | Not determined |
| Evaporation rate | Not determined |
| Solubility | Not determined |
| Partition coefficient (n-octanol/water at 25 °C) | Not determined |
| Kinematic viscosity | Not applicable |
| Dynamic viscosity | 250-450 cps |

9.2 Other information

| | |
|------------------------------|----------------|
| Surface tension | Not determined |
| Dissociation constant | Not determined |
| Granulometry | Not determined |

SECTION 10: STABILITY AND REACTIVITY
10.1 Reactivity

Not determined

10.2 Chemical stability

The product is stable under ordinary condition.

Thermal decomposition/conditions to be avoided

No decomposition if used according to specifications

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10.3 Possibility of hazardous reactions

No dangerous reactions known

10.4 Conditions to avoid

No further relevant information available

10.5 Incompatible material

Strong oxidizing agents

Strong acids

Strong bases

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity****LD/LC50 values relevant for classification**

None of the components is classified as hazardous for acute oral, dermal or inhalation exposure.

Primary Irritant effect**Skin corrosion/irritation**

None of the components is classified as skin irritant.

Serious eye damage/irritation

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

Respiratory tract

Not determined

Respiratory/skin sensitization

None of the components is classified as skin sensitizer.

Respiratory sensitization not determined

Additional toxicological information

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Toxicokinetics, metabolism and distribution

Not determined

Repeated dose toxicity

Not determined

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ Cell mutagenicity**

Not determined

Carcinogenicity

Not determined

Reproductive toxicity

Not determined

STOT-single exposure

Not determined

STOT-repeated exposure

Not determined

Aspiration hazard

Not determined

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

None of the components is classified as hazardous for acute aquatic toxicity

12.2 Persistence and degradability

Biodegradable

12.3 Bioaccumulative potential

No further relevant information available

12.4 Mobility in soil

No further relevant information available

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

No further relevant information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

Incineration

Observe federal, state and local environmental regulations.

13.2 Uncleaning packaging

Recommendation

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

Packaging that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Number

ADR/RID

Not applicable

ADN

Not applicable

IMDG

Not applicable

IATA

Not applicable

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14.2 UN proper shipping name

| | |
|---------|----------------|
| ADR/RID | Not applicable |
| ADN | Not applicable |
| IMDG | Not applicable |
| IATA | Not applicable |

14.3 Transport hazard class(es)

| | |
|---------|----------------|
| ADR/RID | Not applicable |
| ADN | Not applicable |
| IMDG | Not applicable |
| IATA | Not applicable |

14.4 Packing group

| | |
|---------|----------------|
| ADR/RID | Not applicable |
| ADN | Not applicable |
| IMDG | Not applicable |
| IATA | Not applicable |

14.5 Environmental hazard

| | |
|-------------------------|----|
| Marine pollutant | No |
|-------------------------|----|

14.6 Special precautions for user

| | |
|------------------------------------|----------------|
| Special precaution for user | Not applicable |
|------------------------------------|----------------|

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

Not applicable

14.8 ICAO/IATA – DGR

Not regulated as dangerous good

SECTION 15: REGULATORY INFORMATION**15.1 Safe, health and environmental regulations/legislation specific for the substance or mixture****Inventory - United States - Toxic Substances Control Act (TSCA)**

62125-22-8 Pentaerythrityl Tetraistearate

73398-61-5 Caprylic/Capric Triglyceride

108-32-7 Propylene Carbonate

OECD - List of High Production Volume Chemicals

Substance is not listed.

Inventory - Canada - Domestic Substances List (DSL)

73398-61-5 Caprylic/Capric Triglyceride

108-32-7 Propylene Carbonate

Inventory - Canada – Non-Domestic Substances List (NDSL)

62125-22-8 Pentaerythrityl Tetraistearate

Philippines Inventory of Chemicals and Chemical Substances

62125-22-8 Pentaerythrityl Tetraisostearate
73398-61-5 Caprylic/Capric Triglyceride
108-32-7 Propylene Carbonate

Australian Inventory of Chemical Substances

62125-22-8 Pentaerythrityl Tetraisostearate
73398-61-5 Caprylic/Capric Triglyceride
108-32-7 Propylene Carbonate

Inventory - Korea - Existing and Evaluated Chemical Substances

108-32-7 Propylene Carbonate KE-23785

New Zealand Inventory of Chemicals

62125-22-8 Pentaerythrityl Tetraisostearate
73398-61-5 Caprylic/Capric Triglyceride
94891-33-5 Stearalkonium Hectorite
108-32-7 Propylene Carbonate
171263-26-6 Palmitoyl Hexapeptide-12

Japan Existing and New Chemical Substances (ENCS)

62125-22-8 Pentaerythrityl Tetraisostearate
73398-61-5 Caprylic/Capric Triglyceride
94891-33-5 Stearalkonium Hectorite
108-32-7 Propylene Carbonate

National regulations**Other regulations, limitations and prohibitive regulations**

Not determined

Substances of very high concern (SVHC) according to REACH, Article 59(10)

Not determined

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

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Abbreviations and acronyms

NOAEL: Non Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
WAF: Water Accommodated Fraction
NOEC: No Observed Effect Concentration
GHS: Globally Harmonized System of Classification and Labeling Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstract Service (division of the American Chemical Society)
VbF: Ordinance on the storage of combustible liquids, Austria
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
STOT: Specific target organ toxicity
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ADR: Agreement on Dangerous Goods by Road
RID: Regulations concerning the Intl Transport of Dangerous Goods by Rail
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association

Sources

Own data from manufacture
Chemical safety report according to REACH registration dossier