

# Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **C-Pep™ Defensyl CC**

Version: 7

Revision: 2022.09.20

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

### 1.1 Product identifier

Trade name	<b>C-Pep™ Defensyl CC</b>
CAS number	62125-22-8 (and) 65381-09-1 (and) 94891-33-5 (and) 108-32-7 (and) 221227-05-0

### 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 114729, Taiwan  
**Further information obtainable from**  
[marketing.support@corum.com.tw](mailto:marketing.support@corum.com.tw)

### 1.4 Emergency telephone number

Company phone number	CORUM Tel. 886-2-8751-6060 Fax. 886-2-8751-6363
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## 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 tetraisostearate	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  Eye Irrit. 2, H319	108-32-7	203-572-1
Palmitoyl Tetrapeptide-7	221227-05-0	---

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

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

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

<b>Symptoms</b>	No further relevant information available
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### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	No further relevant information available
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## 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, and 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**

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

**9.2 Other information**

<b>Surface tension</b>	Not determined
<b>Dissociation constant</b>	Not determined
<b>Granulometry</b>	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

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**Aspiration hazard**

Not determined

## 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
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**14.6 Special precautions for user**

Special precaution for user	Not applicable
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**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

**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 Tetraisostearate  
 65381-09-1 Caprylic/Capric Triglyceride  
 108-32-7 Propylene Carbonate.

**Canada Domestic Substances List (DSL)**

65381-09-1 Caprylic/Capric Triglyceride  
 108-32-7 Propylene Carbonate

**Canada Non-Domestic Substances List (NDSL)**

62125-22-8 Pentaerythrityl Tetraisostearate

**European Inventory of Existing Chemical Substances (EINECS)**

62125-22-8 Pentaerythrityl Tetraisostearate  
 65381-09-1 Caprylic/Capric Triglyceride  
 94891-33-5 Stearalkonium Hectorite  
 108-32-7 Propylene Carbonate



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**Japan Existing and New Chemical Substances (ENCS)**

62125-22-8 Pentaerythrityl Tetraisoostearate  
65381-09-1 Caprylic/Capric Triglyceride  
94891-33-5 Stearalkonium Hectorite  
108-32-7 Propylene Carbonate

**China Inventory of Existing Chemical Substance (IECSC)**

62125-22-8 Pentaerythrityl Tetraisoostearate  
65381-09-1 Caprylic/Capric Triglyceride  
94891-33-5 Stearalkonium Hectorite  
108-32-7 Propylene Carbonate

**Korean Existing and Evaluated Chemical Substances (KECL)**

62125-22-8 Pentaerythrityl Tetraisoostearate  
65381-09-1 Caprylic/Capric Triglyceride  
108-32-7 Propylene Carbonate

**Philippines Inventory of Chemicals and Chemical Substances (PICCS)**

62125-22-8 Pentaerythrityl Tetraisoostearate  
65381-09-1 Caprylic/Capric Triglyceride  
108-32-7 Propylene Carbonate

**Australian Inventory of Chemical Substances (AICS)**

62125-22-8 Pentaerythrityl Tetraisoostearate  
65381-09-1 Caprylic/Capric Triglyceride  
108-32-7 Propylene Carbonate

**New Zealand Inventory of Chemicals**

62125-22-8 Pentaerythrityl Tetraisoostearate  
65381-09-1 Caprylic/Capric Triglyceride  
94891-33-5 Stearalkonium Hectorite  
108-32-7 Propylene Carbonate

**TCSI - Taiwan Chemical Substance Inventory**

62125-22-8 Pentaerythrityl Tetraisoostearate  
65381-09-1 Caprylic/Capric Triglyceride  
94891-33-5 Stearalkonium Hectorite  
108-32-7 Propylene Carbonate  
221227-05-0 Palmitoyl Tetrapeptide-7

**OECD - List of High Production Volume Chemicals**

65381-09-1 Caprylic/Capric Triglyceride  
108-32-7 Propylene Carbonate

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II**

Substance is not listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

Substance is not listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

Substance is not listed.

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**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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**Important phrase**

H319 causes serious eye irritation

**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

PBT: Persistent Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

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