

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Trade name: **C-Pep™ Elastyl**

Version: 8

Issue date: 2022.05.16

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

### 1.1 Product identifier

Trade name	<b>C-Pep™ Elastyl</b>
CAS number	56-81-5 (and) 171263-26-6

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

<b>Recommended Use</b>	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
<b>Uses advised against</b>	Not determined
<b>Product category</b>	Not determined
<b>Process category</b>	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](mailto:marketing.support@corum.com.tw)

### 1.4 Emergency telephone number

<b>Company phone number</b>	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:** Mixture

3.2 **Composition/information on ingredients**

Chemical Name	CAS No.	EC No.
Glycerin	56-81-5	200-289-5
Palmitoyl Hexapeptide-12	171263-26-6	--

## SECTION 4: FIRST AID MEASURES

4.1 **Description of first aid measures**

<b>General information</b>	No data available
<b>After inhalation</b>	Supply fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical treatment.
<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>	Check and remove any contact lenses. Rinse opened eye for 15 minutes under running water. If symptoms persist, consult a doctor.
<b>After swallowing</b>	Rinse mouth with water. Call for medical help 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**

CO<sub>2</sub>, powder or water spray

Fight larger fires with water spray or alcohol resistant foam.

**Unsuitable extinguishing media**

Not determined

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**5.2 Special hazards arising from the substance or mixture**

No further relevant information available

**5.3 Advice for firefighters**

Wear protective clothing and glasses.

Wear self-contained respiratory protective device.

**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).

Dispose of material collected according to regulations.

**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**

Keep away from heat and direct sunlight. Shake well before use.

**7.2 Conditions for safe storage, including any incompatibilities****Storage conditions**

Store only in the original receptacle.

Protect from contacting with light, heat and moisture.

Store in closed containers at cold temperature 4-7°C to

maintain product quality.

Shake well before use.

**Incompatible materials**

None known based on information supplied

**Storage class (VbF)**

No

**7.3 Specific end use(s)**

No further relevant information available

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**
**8.1 Control parameters**

<b>Exposure limits</b>	The product does not contain relevant quantities of materials with critical values which have to be monitored at the workplace.
<b>DNEL</b>	Not determined
<b>PNEC</b>	Not determined
<b>Additional information</b>	Not required

**8.2 Exposure controls**
**Personal protective equipment**

**Respiration protection** Not necessary if room is well-ventilated

**Hands protection** Protective gloves 

**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.

**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>	Viscous liquid
<b>Color</b>	Colorless
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not determined

**Property**

**pH value (5%)** Not determined

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<b>Melting point/Melting range</b>	Not determined
<b>Boiling point/Boiling range</b>	Not determined
<b>Flash point</b>	204°C (ASTM D92)
<b>Flammability (solid, gaseous)</b>	Not determined
<b>Ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Self-igniting</b>	Not determined
<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>	Fully miscible
<b>Partition coefficient (n-octanol/water at 25 °C)</b>	Not determined
<b>Kinematic viscosity</b>	Not applicable
<b>Dynamic viscosity</b>	Not applicable

**9.2 Other information**

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

**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

**10.3 Possibility of hazardous reactions**

No dangerous reactions known

**10.4 Conditions to avoid**

See Section 7 for information on safe handling.

**10.5 Incompatible materials**

See Section 7 for information on safe handling.

**10.6 Hazardous decomposition products**

No dangerous decomposition products known

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

	Effect dose/concentration	Value	Species
<b>Substance 56-81-5 Glycerol</b>			
Acute oral toxicity	LD50	12600mg/kg bw	rat
Acute dermal toxicity	LD50	>21900 mg/kg	rat

**Primary Irritant effect****Skin corrosion/irritation**

None of the components is classified as skin irritant.

**Serious eye damage/irritation**

Not irritant effect

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

**Respiratory tract**

Not determined

**Respiratory/skin sensitization**

Not determined

**Additional toxicological information****Toxicokinetics, metabolism and distribution**

Not determined

**Repeated dose toxicity**

Not determined

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

Negative results in test OECD 471, Bacterial Reverse Mutation Test (Ames test)

**Carcinogenicity**

Not determined

**Reproductive toxicity**

Not determined

**STOT-single exposure**

Not determined

**STOT-repeated exposure**

Not determined

**Aspiration hazard**

Not determined

**SECTION 12: ECOLOGICAL INFORMATION**
**12.1 Toxicity****Aquatic toxicity**

	Effect dose/concentration	Value	Species
<b>Substance 56-81-5 Glycerol</b>			
Acute toxicity	EC50 (24hr)	>10000mg/L	fish
Acute toxicity	LC100 (96hr)	51000-57000 mg/L	daphnia magna

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**12.2 Persistence and degradability**

Biodegradable

**12.3 Bioaccumulative potential**

Due to the distribution coefficient n-octanol/water a worth mentioning accumulation in organism is not expected.

**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**

Observe community, national or regional regulations for waste handling and treatment.

**13.2 Uncleaning packaging****Recommendation**

Disposal must be made according to official regulations.

**SECTION 14: TRANSPORT INFORMATION****14.1 UN-Number**

ADR/RID

Not applicable

ADN

Not applicable

IMDG

Not applicable

IATA

Not applicable

**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

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**14.4 Packing group**

<b>ADR/RID</b>	Not applicable
<b>ADN</b>	Not applicable
<b>IMDG</b>	Not applicable
<b>IATA</b>	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 a 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)**

56-81-5 Glycerin

**US - FIFRA- Pesticide Product Other Ingredients**

Substance is not listed.

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

Substance is not listed.

**U.S. - EPA - EPA – HPV (High Production Volume) Challenge Program Chemical List**

Substance is not listed.

**NOSH - Health Standards – Pesticides**

Substance is not listed.

**Inventory - Canada - Domestic Substances List (DSL)**

56-81-5 Glycerin

**Philippines Inventory of Chemicals and Chemical Substances**

56-81-5 Glycerin

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

56-81-5 Glycerin

171263-26-6 Palmitoyl Hexapeptide-12

**Australian Inventory of Chemical Substances**

56-81-5 Glycerin



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

56-81-5 Glycerin

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

Not determined

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

Substance is not listed.

**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

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

SVHC: Substances of Very High Concern

PBT: Persistent Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

STOT: Specific Target Organ Toxicity

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