

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Trade name: **C-Pep™ Elastyl**

Version: 7

Issue date: 2020.01.03

## 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**

**General information**

No data available

**After inhalation**

Supply fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical treatment.

**After skin contact**

Immediately wash with soap and copious amounts of water. If symptoms develop, seek medical attention.

**After eye contact**

Check and remove any contact lenses. Rinse opened eye for 15 minutes under running water. If symptoms persist, consult a doctor.

**After swallowing**

Rinse mouth with water. Call for medical help 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**

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.

Store away from oxidizing agents.

Protect from heat and direct sunlight.

Protect from humidity and water.

Protect from exposure to the light.

Keep container tightly sealed.

Store in closed container at cold temperature 4-7 °C to maintain product quality.

**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

**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)**

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

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