

according to 1907/2006/EC, Article 31, (Commission Regulation (EU) 2020/878)

Trade name: Corum 5117 Version: 8 Revision: 2023.05.31

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

**Product identifier** 1.1

> Trade name **Corum 5117**

**INCI NAME** Quaternium-60 (and) Propylene Glycol 72102-40-0 (and) 67633-63-0 (and) 57-55-6 **CAS** number

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

Recommended Use Used in the formulation of cosmetics and personal care

> products Cosmetic Skin cosmetics Cosmetic auxiliary Cosmetic Active Agent

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

**Emergency telephone number** 1.4

> 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

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed. Acute Tox. 4 Skin Irrit. 2 H315 Causes skin irritation.

2.2 **Label elements** 

Label according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms







GHS05

GHS07

GHS09

Signal word

Danger

Hazard-determining components of labelling

Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate



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#### **Hazard statements**

H302 Harmful if swallowed. H315 Causes skin irritation.

H318 Causes serious eve damage.

H411 Toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face 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 or doctor/physician.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 2.3 Other hazards

#### Results of PBT and vPvB assessment

#### PBT:

Based on available data, the ingredients of this mixture do not meet the PBT criteria (not PBT) according to (EC) 1907/2006, Annex XIII.

#### vPvR

Based on available data, the ingredients of this mixture do not meet the vPvB criteria (not vPvB) according to (EC) 1907/2006, Annex XIII.

#### **Determination of endocrine-disrupting properties**

The product does not contain ingredients with endocrine-disrupting properties for humans.

#### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Composition/information on ingredients

Name	Chemical name	Identification	Classification	SCLs, M-Factors	Concentration (% w/w)	
Propylene Glycol	Propane-1,2-diol	(CAS No.) 57-55-6 (EC No.) 200-338-0	Not Classified	•	48-52%	
Quaternium -60	Ethyldimethyl[3-[(1-oxoi sooctadecyl)amino] propyl]ammonium ethyl sulphate	(CAS No.) 67633-63-0 (EC No.) 266-778-0	Eye Dam. 1 H318 Acute Tox. 4 H302 Skin Irrit. 2 H315	-		
	1-Propanaminium, 3-amino-N-ethyl-N,N-di methyl-, N-lanolin acyl derivs., Et sulfates	(CAS No.) 72102-40-0 (EC No.) 276-339-5	Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Eye Irrit. 2 H319	M=1 M(Chronic) =1	48-52%	

#### **SECTION 4: FIRST AID MEASURES**



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4.1 <u>Description of first aid measures</u>

**General information** Involve doctor immediately. Immediately remove any clothing

soiled by the product.

After inhalation Supply fresh air; seek medical advice if symptoms persist.

After skin contact Generally the product does not irritate the skin

Wash skin with water and/or a mild detergent. If skin irritation continues, consult a doctor.

After eye contact Rinse opened eye for several minutes under running water. If

symptoms persist, seek medical attention.

**After swallowing** Rinse out mouth and then drink plenty of water.

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Obtain medical attention if symptoms.

appear.

#### 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 water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Use fire extinguishing methods suitable to surrounding conditions.

#### Unsuitable extinguishing media

No further relevant information available

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

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

Sulphur dioxide (SO<sub>2</sub>)

#### 5.3 Advice for firefighters

#### **Protective equipment**

Wear self-contained breathing apparatus with facepiece.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment.

#### 6.2 Environmental precautions



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Prevent the product from entering drains or bodies of water.

#### 6.3 Methods and material for containment and cleaning up

If necessary dike the product with dry earth, sand or similar noncombustible materials.

Soak up with inert absorbent material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically using appropriate tools.

Dispose contaminated material as waste according to item 13.

Clean the area with water.

#### 6.4 Reference to other sections

See Section 7 for information on safe handing.

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** Avoid contact with skin and eyes.

Avoid contact with clothing.

Avoid inhalation of vapour or mist.

Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling with mild soap and water.

Information about fire - and explosion protection:

No special measures required.

#### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Keep container tightly closed in a dry and well-ventilated

place. Containers which are opened must be carefully

resealed and kept upright to prevent leakage.

Store in a cool place.

**Incompatible materials**Check all containers are clearly labelled and free from leaks.

Storage class (VbF) No

Requirements to be met by storerooms and receptacles

No special measures required.

Information about storage in common storage facility

Not required

Further information about storage conditions

None

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

#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace

**Exposure limits** The product does not contain any relevant quantities of

materials with critical values that have to be monitored at the

workplace.



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**PNEC** Not determined Not determined

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

8.2 Exposure controls

proximity to work location. Good general ventilation is recommended for handling the product. No further data; see

section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

Avoid contact with the eyes and skin. Wash hands before

breaks and at the end of work.

Personal protective equipment

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

Recommended exposure limits have not been established for this material. Whether there is a need for respiratory protection under your conditions of handling of this material should be

evaluated by a qualified health specialist.

Hands protection Protective gloves

Rubber gloves Plastic gloves

The glove material has to be impermeable and resistant to the

product/the substance/the preparation.

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 can not 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

Wash hands before breaks and at the end of work.

**Environmental exposure** 

No further relevant information available

controls

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Information on basic physical and chemical properties

Physical State Liquid



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Viscous liquid **Appearance** Color Amber coloured

Gardner: 8.0 Max

Odor **Typical** 

Oder threshold Not determined

**Property** 

pH value (5%) 3.0 - 5.0 (5% solution) Not determined Melting point/Melting range Boiling point/Boiling range 188 °C (calculated) Flash point > 99 °C (calculated) Flammability (solid, gaseous) Not applicable

Ignition temperature 371 °C (for CAS: 57-55-6)

**Decomposition temperature** Not determined

Self-igniting Product is not self-igniting.

Danger of explosion Product does not present an explosion hazard.

**Explosion limit** 

Lower 2.6 Vol % (for CAS: 57-55-6) Upper 12.6 Vol % (for CAS: 57-55-6)

Oxidizing properties Not determined **Explosive properties** Not determined

Vapor pressure 0.1 hPa (for CAS: 57-55-6) at 20°C

0.987 g/cm3 (for CAS: 57-55-6) at 20°C Vapor density

Not determined Relative density **Evaporation rate** Not determined Solubility Fully miscible

Partition coefficient

(n-octanol/water at 25 °C) Not determined

log Pow= -1,07 (25 °C) for ingredient CAS: 57-55-6

**Kinematic Viscosity** Not determined

**Dynamic Viscosity** 46 mPas (for CAS: 57-55-6)

9.2 Other information

> Surface tension Not determined **Dissociation constant** Not determined Granulometry Not applicable

Information with regard to physical hazard classes

**Explosives** 

Flammable Gases and Chemically Unstable Gases

Void Void Void

Flammable Aerosols **Oxidising Gases** Gases Under Pressure Void Flammable Liquids Void Flammable Solids Void Self-reactive Substances and Mixtures

Void

**Pyrophoric Liquids** Void **Pyrophoric Solids** Void Self-heating Substances and Mixtures

Void

Substances and Mixtures which in contact with water emit flammable gases

Void

**Oxidising Liquids** Void



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Oxidising Solids Void
Organic Peroxides Void
Substances and Mixtures corrosive to Metals

Void

Desensitized Explosives Void

#### **SECTION 10: STABILITY AND REACTIVITY**

#### 10.1 Reactivity

No further relevant information available

#### 10.2 Chemical stability

Stable under recommended storage conditions

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

No further relevant information available

#### 10.5 Incompatible materials

No further relevant information available

#### 10.6 Hazardous decomposition products

No dangerous decomposition products known

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### 11.1 <u>Information on toxicological effects</u>

Acute toxicity

Harmful if swallowed

LD/LC50 values relevant for classification

	Effect dose/concentration	Value	Species		
Substance 57-55-6 propane-1,2-diol					
Acute oral toxicity	LD50	2000 mg/kg bw	rat		
Acute dermal toxicity	LD50	20800 mg/kg	rabbit		

Primary Irritant effect

**Skin corrosion/irritation**Non-irritant (Human) (Corum 5117 (5%) 48 hr semi-occl. single

patch test)

Serious eye damage/irritation Causes serious eye damage.

Respiratory tract Not determined

**Respiratory/skin sensitization** Based on available data, the classification criteria are not met.

Additional toxicological information

Toxicokinetics, metabolism

and distribution

Not determined



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Repeated dose toxicity Not determined

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Germ Cell mutagenicity

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

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

Aspiration hazard Not applicable

11.2 <u>Information on other hazards</u>

Endocrine disrupting properties Substance is not listed

#### **SECTION 12: ECOLOGICAL INFORMATION**

#### 12.1 Toxicity

**Aquatic toxicity** 

	Effect	Value	Species	Test			
	dose/concentration						
Substance 57-55-6 propane-1,2-diol							
Acute toxicity	LC50 (48hr) static	43500 mg/l	Daphnia	OECD TG 202			
Acute toxicity	EC50	<5300 mg/l	Skeletonemum costatum	OECD TG 201 (14 day)			
Acute toxicity	EC50 (96hr)	19100 mg/l	Skeletonemum costatum	OECD TG 201			
Other	NOEC	<5300 mg/l	Skeletonemum costatum	OECD TG 201 (14 days)			

#### 12.2 Persistence and degradability

ingredient CAS: 57-55-6 is not persistent, as it has shown to be readily biodegradable. No further relevant information available

#### 12.3 Bioaccumulative potential

On the basis of its Log Pow, ingredient CAS: 57-55-6 has not potential for bioaccumulative properties. No further relevant information available

#### 12.4 Mobility in soil

No further relevant information available

#### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable. **vPvB:** Not applicable

#### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.



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#### 12.7 Other adverse effects

No further relevant information available

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods

**Recommendation** Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

European waste catalogue

HP4 Irritant - skin irritation and eye damage

HP6 Acute Toxicity
HP14 Ecotoxic

13.2 Uncleaning packaging

**Recommendation** Disposal must be made according to official regulations.

#### **SECTION 14: TRANSPORT INFORMATION**

14.1 <u>UN number or ID number</u>

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

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



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#### 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

#### 14.9 Maritime transport in bulk according to

IMO instruments Not applicable UN "Model Regulation" 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)

57-55-6 Propane-1,2-diol

67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate 72102-40-0 1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates

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

57-55-6 Propane-1,2-diol

67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate 72102-40-0 1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates

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

Substance is not listed

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

57-55-6 Propane-1,2-diol

67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate 72102-40-0 1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates

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

57-55-6 Propane-1,2-diol

67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate

#### Inventory of Existing Chemical Substances in China (IECSC)

57-55-6 Propane-1,2-diol

67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate 72102-40-0 1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates

#### Inventory - Korea - Existing and Evaluated Chemical Substances(KECL)

57-55-6 Propane-1,2-diol

67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate

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

57-55-6 Propane-1,2-diol

67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate 72102-40-0 1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates

#### **Australian Inventory of Industrial Chemicals (AIIC)**

57-55-6 Propane-1,2-diol

67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate 72102-40-0 1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates

#### **New Zealand Inventory of Chemicals**

57-55-6 Propane-1,2-diol



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67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate 72102-40-0 1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates

#### **TCSI - Taiwan Chemical Substance Inventory**

57-55-6 Propane-1.2-diol

67633-63-0 Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate 72102-40-0 1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates

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

57-55-6 Propane-1,2-diol

#### Directive 2004/42/EC

Seveso category E2 E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

# REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 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

#### Regulation (EC) No 273/2004 on drug precursors

Substance is not listed

# Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

Substance is not listed

# REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozonedepleting potential)

Substance is not listed

#### **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

This substance has been registered for a tonnage band <10 tons and a Chemical Safety Assessment is not mandatory according to REACH Regulation.

DNELs and PNECs can't be calculated with the information requirements of Annex VII. Following ECHA Guidance R.7 part E, Risk Management Measures are described for substances classified for certain Hazard Classes (Table E.3-1). These RMM are included in this Safety Data Sheet in a format of Exposure Scenario.

This Exposure Scenario is provided on a voluntary basis.

A Chemical Safety Assessment has been carried out.



#### according to 1907/2006/EC, Article 31, (Commission Regulation (EU) 2020/878)

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#### **SECTION 16: OTHER INFORMATION**

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#### Abbreviations and acronyms

GHS: Globally Harmonized System of Classification and Labeling Chemicals 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 NOEC: No Observed Effect Concentration

#### **Sources**

Own data from manufacture

Chemical safety report according to REACH registration dossier