Safety Data Sheet

according to 1907/2006/EC, Article 31

Trade name: **Corum 5117** Version: 6 Revision: 2022.11.21

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

1.1 Product identifier

Trade name	**Corum 5117**
INCI NAME	**Quaternium-60 (and) Propylene Glycol**
CAS number	72102-40-0 (and) 67633-63-0 (and) 57-55-6

1.2 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

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterization: Mixtures

3.2 Composition/information on ingredients

INCI Name	Chemical Name	CAS No.	EC No.
Propylene Glycol	Propane-1,2-diol	57-55-6	200-338-0
Quaternium-60	Ethyldimethyl[3-[(1-oxoisooctadecyl)amino] propyl]ammonium ethyl sulphate	67633-63-0	266-778-0
	1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates	72102-40-0	276-339-5

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information Involve doctor immediately. Immediately remove any clothing soiled by the product.

After inhalation Supply fresh air; consult a doctor in case of complaints.

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, consult a doctor.

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_2)
Nitrogen oxides (NO_x)
Sulphur dioxide (SO_2)

5.3 Advice for firefighters

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

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

6.3 Methods and material for containment and cleaning up

If necessary dike the product with dry earth, sand or similar noncombustible materials.
Absorb with liquid-binding 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.

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

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 any 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
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 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	Viscous liquid
Color	Amber coloured Gardner: 8.0 Max
Odor	Typical
Oder threshold	Not determined

Property	
pH value (5%)	3.0 – 5.0 (5% solution)
Melting point/Melting range	Not determined
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℃
Vapor density	0.987 g/cm³ (for CAS: 57-55-6) at 20℃
Relative density	Not determined
Evaporation rate	Not determined
Solubility	Fully miscible
Partition coefficient (n-octanol/water at 25 °C)	Not determined log Pow= -1,07 (25 ºC) 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

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 Information on toxicological effects

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

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.

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

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

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Not applicable

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

	Effect dose/concentration	Value	Species	Test
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

Not applicable

12.6 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.

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

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)
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

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

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

China Inventory of Existing Chemical Substance (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

Korean 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 Chemical Substances (AICS)
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
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 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.

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.

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