

Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

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

1.1 Product identifier

Trade name	Corum 4057
INCI name	TEA Lauroyl Glutamate
CAS number	53576-49-1

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

Recommended Use	Skin cosmetics Skin conditioning agent - emollient Cosmetic ingredient for rinse-off formulation
Uses advised against	No information available
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
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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
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.

vPvB:

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

Safety Data Sheet

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

Trade name: Corum 4057

Version: 4

Revision: 2024.04.19

3.1 Substances
Not applicable

3.2 Mixtures
Composition/information on ingredients

Name	Chemical name	Identification	Classification	SCLs, M-Factors	%
COMPONENT					
Water	-	(CAS No.) 7732-18-5 (EC No.) 231-791-2	Not Classified	-	68-72%
TEA-Lauroyl Glutamate	-	(CAS No.) 53576-49-1 (EC No.) 258-636-1	Not Classified	-	28-32%
PRESERVATIVE					
Benzoic Acid	-	(CAS No.) 65-85-0 (EC No.) 200-618-2	Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT RE 1 H372	-	0-1%
Phenoxyethanol	2-phenoxyethanol	(CAS No.) 122-99-6 (EC No.) 204-589-7	Acute Tox. 4 H302 Eye Dam. 1 H318 STOT SE 3 H335	-	0.40-0.45%
Hexylene Glycol	2-methylpentane-2, 4-diol	(CAS No.) 107-41-5 (EC No.) 203-489-0	Skin Irrit. 2 H315 Eye Irrit. 2 H319	-	0.40-0.45%

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information	No data available.
After inhalation	Remove victim to fresh air and away from exposure immediately. If breathing has stopped, administer artificial respiration. Immediate medical attention required.
After skin contact	Immediately wash with soap and copious amounts of water. If symptoms develop, seek medical attention.
After eye contact	Check for 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.
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Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

No further relevant information available.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

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

Ensure adequate ventilation, especially in confined areas.

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.

Wash floor area with hotwater solution.

Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water.

Keep spills out of all sewers and bodies of water.

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

Handle in accordance with good industrial hygiene and safety practice.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a cool, dry place

Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

Incompatible materials None known based on information supplied.

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: EXPOSURECONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace

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 Not required

8.2 Exposure controls

Appropriate engineering controls Ensure that eyewash and safety showers are in close 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.

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.

Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

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	Clear liquid
Color	Colorless to pale yellow
Odor	Typical
Odor threshold	No information available

Property

pH value	5~7
Melting point/Melting range	Not applicable
Boiling point/Boiling range	approx. 100 °C
Flash point	Not determined
Flammability (solid, gaseous)	Not determined
Ignition temperature	Not determined
Decomposition temperature	Not determined
Self-igniting	Not determined
Danger of explosion	Product does not present an explosion hazard.
Explosion limit	
Lower	Not determined
Upper	Not determined
Oxidizing properties	Not determined
Explosive properties	Not determined
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	Not determined
Evaporation rate	Not determined
Solubility	Soluble in water
Partition coefficient	
(n-octanol/water at 25 °C)	Not determined
Kinematic Viscosity	Not applicable
Dynamic Viscosity	Not applicable

9.2 Other information

Information with regard to physical hazard classes

Explosives	Void
Flammable Gases and Chemically Unstable Gases	
	Void
Flammable Aerosols	Void
Oxidising Gases	Void
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

Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

Oxidising Liquids	Void
Oxidising Solids	Void
Organic Peroxides	Void
Substances and Mixtures corrosive to Metals	Void
Desensitized Explosives	Void

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.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 **Information on toxicological effects**

Name	TEA-Lauroyl Glutamate CAS:53576-49-1	Water CAS:7732-18-5	Benzoic acid CAS: 65-85-0	Phenoxyethanol CAS:122-99-6	Hexylene Glycol CAS:107-41-5
Acute toxicity	Not Classified	Not Classified	<p>*The substance is not classified for the acute toxicity endpoint.</p> <p>Oral LD50 >2,000 mg/kg</p> <p>Dermal LD50 >2,000 mg/kg</p> <p>Inhalation LD50 >5,000 mg/m3</p> <p>*No specific target organ toxicity was observed following single exposure to the substance via any route at doses triggering</p>	*Acute Tox. 4	*Based on available data, the classification criteria are not met.

Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

			classification for STOT SE 1 or 2. *STOT SE 3 is not triggered as no signs of respiratory tract irritation were observed after first exposure (nasal irritation signs were observed in a repeated dose study (Bensen, 1981) but only from Day 4). Therefore, classification with STOT SE is not assigned.		
Skin corrosion/irritation	Not Classified	Not Classified	*Skin Irrit. 2	Not Classified	*Skin Irrit. 2
Serious eye damage/irritation	Not Classified	Not Classified	*Eye Dam. 1	*Eye Dam. 1	*Eye Irrit. 2
Respiratory tract	Not determined	Not Classified	Not Classified	Not Classified	Not determined
Respiratory/skin sensitization	Not Classified	Not Classified	*The test substance is not classified for the skin sensitization.	Not Classified	Not determined
Toxicokinetics, metabolism and distribution	Not determined	Not Classified	*No bioaccumulation potential	Not Classified	Not determined
Repeated dose toxicity	Not Classified	Not Classified	*The substance is not classified for the repeated oral toxicity endpoint. Oral: NOAEL > 1,000 mg/kg bw in a chronic toxicity study > 90 days	Not Classified	Not determined
Germ Cell mutagenicity	Not Classified	Not Classified	*No adverse effect observed (negative)	Not Classified	*Based on available data, the classification criteria are not met.
Carcinogenicity	Not Classified	Not Classified	*The substance is not classified for the carcinogens. NOAEL >1,000 mg/kg bw/day (2% in food)	Not Classified	*Based on available data, the classification criteria are not met.
Reproductive toxicity	Not Classified	Not Classified	*Combining the Weight of Evidence across all studies, benzoic acid is not considered to be reproductive or developmental toxicant, and is	Not Classified	*Repr. 2

Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

			therefore not classified.		
STOT-single exposure	Not Classified	Not Classified	Not Classified	*STOT SE 3	*Based on available data, the classification criteria are not met.
STOT-repeated exposure	Not Classified	Not Classified	*STOT RE 1 Lungs, inhalation	Not Classified	*Based on available data, the classification criteria are not met.
Aspiration hazard	Not Classified	Not Classified	Not determined	Not Classified	*Based on available data, the classification criteria are not met.

*from ECHA webpage registration data

11.2 Information on other hazards

Endocrine disrupting properties

Substance is not listed.

SECTION 12: ECOLOGICAL INFORMATION

Name	TEA-Lauroyl Glutamate CAS:53576-49-1	Water CAS:7732-18-5	Benzoic acid CAS: 65-85-0	Phenoxyethanol CAS:122-99-6	Hexylene Glycol CAS:107-41-5
12.1 Toxicity Aquatic toxicity	No further relevant information available.	No further relevant information available.	*Classification is not required for acute aquatic hazard if L/EC50's are > 1 mg/L; classification is not required for long-term aquatic hazard if EC10 > 1 mg/L .	*The most sensitive reliable acute aquatic value with a standard test species is an LC50 of 344 mg/L (fish). The most sensitive reliable chronic toxicity value is a NOEC of 9.43 mg/L (Daphnia). Thus, the substance is not classified according to EU GHS, or according to DSD/DPD.	*Hexylene glycol is readily biodegradable and all acute aquatic toxicity tests indicate LC50/EC50 higher than 1 mg/L. In addition, the available long-term 72h-NOEC for algal growth rate inhibition is also above 1 mg/L. Finally, log Kow of hexylene glycol is lower than 4.
12.2 Persistence and degradability	No further relevant information available.	No further relevant information available.	*Readily biodegradable.	*Readily biodegradable.	*Readily biodegradable.
12.3 Bioaccumulative potential	No further relevant information available.	No further relevant information available.	*Low potential for bioaccumulation.	*2-phenoxyethanol exhibits a low bioaccumulation potential (log Kow 1.6) which is supported by the calculation of the BCF of 2-phenoxyethanol yielding a value of 0.35.	*Hexylene glycol has a low potential for bioaccumulation based on log Kow <=3.

Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

12.4 Mobility in soil	No further relevant information available.	No further relevant information available.	No further relevant information available.	No further relevant information available.	No further relevant information available.
12.5 Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable	PBT: Not applicable vPvB: Not applicable	PBT: Not applicable vPvB: Not applicable	PBT: Not applicable vPvB: Not applicable	PBT: Not applicable vPvB: Not applicable
12.6 Endocrine disrupting properties	The product does not contain substances with endocrine disrupting properties.	The product does not contain substances with endocrine disrupting properties.	The product does not contain substances with endocrine disrupting properties.	The product does not contain substances with endocrine disrupting properties.	The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects	No further relevant information available.	No further relevant information available.	No further relevant information available.	No further relevant information available.	No further relevant information available.

*from ECHA webpage registration data

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

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

European waste catalogue

Not applicable

13.2 Uncleaning packaging

Recommendation

Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID 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

Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

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.

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

Name	TEA-Lauroyl Glutamate CAS:53576-49-1	Water CAS:7732-18-5	Benzoic acid CAS: 65-85-0	Phenoxyethanol CAS:122-99-6	Hexylene Glycol CAS:107-41-5
Inventory - United States - Toxic Substances Control Act (TSCA)	Y	Y	Y	Y	Y
Inventory - Canada - Domestic Substances List (DSL)	N	Y	Y	Y	Y
Inventory - Canada - Non-Domestic Substances List (NDSL)	Y	N	N	N	N
Inventory - Canada - Revised In Commerce List (R-ICL)	N	N	N	N	N
ECHA Inventory of substances	Y	Y	Y	Y	Y
Japan Existing and New Chemical Substances (ENCS)	N	N	Y	Y	Y
Inventory of Existing Chemical Substances in China (IECSC)	Y	Y	Y	Y	Y
Korean Existing and Evaluated Chemical Substances (KECL)	N	Y	Y	Y	Y
Philippines Inventory of Chemicals and Chemical Substances	Y	Y	Y	Y	Y

Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

(PICCS)					
Australian Inventory of Industrial Chemicals (AIIC)	N	Y	Y	Y	Y
New Zealand Inventory of Chemicals	N	Y	Y	Y	Y
TCSI - Taiwan Chemical Substance Inventory	Y	Y	Y	Y	Y
OECD - List of High Production Volume Chemicals	N	Y	Y	Y	N

Y : listed, N : not listed, E : exempted

Directive 2004/42/EC

Seveso category

Substance is not listed.

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 (Ozone-depleting 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)

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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Safety Data Sheet

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

Trade name: **Corum 4057**

Version: 4

Revision: 2024.04.19

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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

Sources

Own data from manufacture