

Safety data sheet

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

Trade name: **Corum 4021**

Version: 7

Revision: 2023.06.01

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

1.1 Product identifier

Trade name	Corum 4021
INCI name	Cocamide DEA
CAS number	68603-42-9

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

Recommended Use	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
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, Rueli Guang Rd.,
Neihu Dist, Taipei 11492, 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
Skin Irrit. 2, H315: Causes skin irritation.
Eye Dam. 1, H318: Causes serious eye damage.

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

Signal word

Danger

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P310 Immediately call a POISON CENTER or doctor/physician.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

3.1 Substances

Composition/information on ingredients

Name	Chemical name	Identification	Classification	SCLs, M-Factors	Concentration (% w/w)
Cocamide DEA	Amides, coco, N,N-bis(hydroxyethyl)	(CAS No.) 68603-42-9 (EC No.) 271-657-0	Skin Irrit. 2 H315 Eye Dam. 1 H318	-	80-100%

3.2 Mixtures

Composition/information on ingredients

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information	Remove contaminated clothing. Seek medical treatment.
After inhalation	Supply fresh air. Consult doctor in case of complaints.
After skin contact	Immediately wash with soap and copious amounts of water. If symptoms develop, seek medical attention.
After eye contact	Rinse opened eye for 15 minutes under running water. If symptoms persist, consult a doctor.
After swallowing	Rinse mouth with water. Call a doctor immediately.

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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 fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media

Not determined

5.2 Special hazards arising from the substance or mixture

No further relevant information available

5.3 Advice for firefighters

Protective equipment:

No special measures required

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, and sawdust).
Sweep up, place in a bag and hold for waste disposal.

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

No special precautions are necessary if used correctly.
Avoid free fall and splashing.
Prevent the risk of slipping.

Information about fire - and explosion protection:

No special measures required.

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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Protect from heat and direct sunlight. Protect from humidity and water. Protect from exposure to the light. Keep container tightly sealed.
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: 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 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

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



The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the

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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 cannot 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

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

Physical State	Liquid
Appearance	Liquid
Color	Yellow
Odor	Typical
Odor threshold	Not determined

Property

pH value(1% aq)	9.5~10.5
Melting point/Melting range	Not determined
Boiling point/Boiling range	> 150 °C
Flash point	> 200 °C
Flammability (solid, gaseous)	Not applicable
Ignition temperature	Not determined
Decomposition temperature	Not determined
Self-igniting	Not determined
Danger of explosion	Not determined
Explosion limit	
Lower	Not determined
Upper	Not determined
Oxidizing properties	Not determined
Explosive properties	Not determined
Vapor pressure	<1 mmHg
Vapor density (Air=1)	>1
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 determined

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Dynamic viscosity Not determined

9.2 Other information No further relevant information available

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

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

No further relevant information available

10.5 Incompatible material

Strong oxidizing agents

Strong acids

Strong bases

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

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11.1 Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification

	Effect dose/concentration	Value	Species
Substance 68603-42-9 Amides, coco, N,N-bis(hydroxyethyl)			
Acute oral toxicity	LD50	>5000 mg/kg	rabbit
Acute dermal toxicity	LD50	>2000 mg/kg	rat

Primary Irritant effect

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory tract

Not determined

Respiratory/skin sensitization

None of the components is classified as skin sensitizer.
Respiratory sensitization not determinedAdditional toxicological information

Toxicokinetics, metabolism and distribution

Not determined

Repeated dose toxicity

Not determined

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ Cell mutagenicity

Not determined

Carcinogenicity

Suspected of causing cancer

Reproductive toxicity

Not determined

STOT-single exposure

Not determined

STOT-repeated exposure

Not determined

Aspiration hazard

Not determined

11.2 Information on other hazards

Endocrine disrupting properties

Substance is not listed

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

	Effect dose/concentration	Value	Species
Substance 68603-42-9 Amides, coco, N,N-bis(hydroxyethyl)			
Acute toxicity	LC50 (72hr)	< 10 mg/l	algae
Acute toxicity	LC50 (48hr)	< 10 mg/l	daphnia
Acute toxicity	LC50 (96hr)	< 10 mg/l	fish

12.2 Persistence and degradability

Readily biodegradable (95.46% in 30 days)

12.3 Bioaccumulative potential

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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.

12.7 Other adverse effects

No further relevant information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

Incineration

Observe federal, state and local environmental regulations.

European waste catalogue HP4

Irritant - skin irritation and eye damage

13.2 Uncleaning packaging

Recommendation

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

Packaging that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

3082

14.2 UN proper shipping name

RQ, Environmentally Hazardous Substance, Liquid, N.O.S.
(Diethanolamine)

14.3 Transport hazard class(es)

Class 9: Miscellaneous

14.4 Packing group

Packing Group III

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

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)**

Substance is listed

Inventory - Canada - Domestic Substances List (DSL)

Substance is listed

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

Japan Existing and New Chemical Substances (ENCS)

Substance is listed

Inventory of Existing Chemical Substances in China (IECSC)

Substance is listed

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

Substance is listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Substance is listed

Australian Inventory of Industrial Chemicals (AIIC)

Substance is listed

New Zealand Inventory of Chemicals

Substance is listed

TCSI - Taiwan Chemical Substance Inventory

Substance is listed

OECD - List of High Production Volume Chemicals

Substance is listed

Directive 2004/42/EC**Seveso category**

Substance is not listed

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

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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

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

WAF: Water Accommodated Fraction

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

STOT: Specific target organ toxicity

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

PBT: Persistent Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

EHCA registered dossier