

# Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **Corum 4021**

Version: 6

Revision: 2020.08.24

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

### 1.1 Product identifier

Trade name	<b>Corum 4021</b>
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, 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

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



GHS08

Carc. 2, H351: Suspected of causing cancer.



GHS07

Skin Irrit. 2, H315: Causes skin irritation.

Eye Irrit. 2, H319: Causes serious eye irritation.

Aquatic Chronic 3, H412: Harmful to aquatic life with long lasting effects.

# Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **Corum 4021**

Version: 6

Revision: 2020.08.24

## 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



GHS08



GHS07

#### Signal word

Warning

#### Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P264: Wash thoroughly after handling.

P273: Avoid release to the environment.

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

## 2.3 Other hazards

### Results of PBT and vPvB assessment

Not applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Chemical characterization: Substances

### 3.2 Composition/information on ingredients

INCI Name	Chemical Name	CAS No.	EC No.
Cocamide DEA	Amides, coco, N,N-bis(hydroxyethyl)	68603-42-9	271-657-0

## 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.

# Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **Corum 4021**

Version: 6

Revision: 2020.08.24

**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.

#### 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

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.

# Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **Corum 4021**

Version: 6

Revision: 2020.08.24

## 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.

### 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

### 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 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

##### 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 glove material on consideration of the penetration times, rates of diffusion and the degradation

# Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **Corum 4021**

Version: 6

Revision: 2020.08.24

<b>Material of gloves</b>	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.
<b>Penetration time of glove material</b>	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>Eye protection</b>	Chemical safety goggles
<b>General protective measure</b>	Avoid contact with the eyes and skin
<b>General hygiene measure</b>	The usual precautionary measures are to be adhered to when handling chemicals.
<b>Environmental exposure controls</b>	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>	Liquid
<b>Color</b>	Yellow
<b>Odor</b>	Typical
<b>Odor threshold</b>	Not determined

#### Property

<b>pH value(1% aq)</b>	9.5~10.5
<b>Melting point/Melting range</b>	Not determined
<b>Boiling point/Boiling range</b>	> 150 °C
<b>Flash point</b>	> 200 °C
<b>Flammability (solid, gaseous)</b>	Not applicable
<b>Ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Self-igniting</b>	Not determined
<b>Danger of explosion</b>	Not determined
<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>	<1 mmHg
<b>Vapor density (Air=1)</b>	>1
<b>Relative density</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Solubility</b>	Soluble in water
<b>Partition coefficient (n-octanol/water at 25 °C)</b>	Not determined
<b>Kinematic viscosity</b>	Not determined
<b>Dynamic viscosity</b>	Not determined

# Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **Corum 4021**

Version: 6

Revision: 2020.08.24

**9.2 Other information**

No further relevant information available

**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****11.1 Information on toxicological effects****Acute toxicity****LD/LC50 values relevant for classification**

	Effect dose/concentration	Value	Species
<b>Substance 68603-42-9 Amides, coco, N,N-bis(hydroxyethyl)</b>			
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 determined

**Additional toxicological information****Toxicokinetics, metabolism**

Not determined

## Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **Corum 4021**

Version: 6

Revision: 2020.08.24

### and distribution

<b>Repeated dose toxicity</b>	Not determined
<b>CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</b>	
<b>Germ Cell mutagenicity</b>	Not determined
<b>Carcinogenicity</b>	Suspected of causing cancer
<b>Reproductive toxicity</b>	Not determined
<b>STOT-single exposure</b>	Not determined
<b>STOT-repeated exposure</b>	Not determined
<b>Aspiration hazard</b>	Not determined

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Aquatic toxicity

	Effect dose/concentration	Value	Species
<b>Substance 68603-42-9 Amides, coco, N,N-bis(hydroxyethyl)</b>			
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

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

Incineration  
Observe federal, state and local environmental regulations.

# Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: **Corum 4021**

Version: 6

Revision: 2020.08.24

**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** 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.
- Philippines Inventory of Chemicals and Chemical Substances**  
Substance is listed.
- China Inventory of Existing Chemical Substance (IECSC)**  
Substance is listed.
- Australian Inventory of Chemical Substances**  
Substance is listed.

**Inventory - Korea - Existing Chemical List (KECI)**

Substance is listed.

**New Zealand Inventory of Chemicals**

Substance is listed.

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

Substance is 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**

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of CORUM Inc. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. CORUM Inc. assumes no legal responsibility for use of or reliance upon this information.

**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