

Safety Data Sheet

according to 1907/2006/EC, Article 31

Trade name: **Azeclair®**

Version: 9

Revision: 2022.09.13

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

1.1 Product identifier

Trade name **Azeclair®**
CAS number 477773-67-4

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 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

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

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Chemical characterization:** Mixture

3.2 **Composition/information on ingredients**

Chemical Name	CAS No.	EC No.
Potassium Azeloyl Diglycinate	477773-67-4	470-270-6
Water	7732-18-5	231-791-2

SECTION 4: FIRST AID MEASURES

4.1 **Description of first aid measures**

General information	No special measures required
After inhalation	Supply fresh air; consult a doctor in case of complaints.
After skin contact	Generally the product does not irritate the skin. Wash with water and soap.
After eye contact	Rinse opened eye for 15 minutes under running water. If symptoms persist, consult a doctor.
After swallowing	Induce vomiting, if person is conscious. Seek medical help.

4.2 **Most important symptoms and effects, both acute and delayed**

Symptoms	No further relevant information available
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4.3 **Indication of any immediate medical attention and special treatment needed**

Note to physicians	No further relevant information available
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SECTION 5: FIRE-FIGHTING MEASURES

5.1 **Extinguishing media**

Suitable extinguishing media

Sand, carbon dioxide, foam

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: Nitrogen oxides (NOx)

Carbon monoxide (CO)

Carbon dioxide (CO₂)

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5.3 Advice for firefighters

Wear full firefighting turn-out gear (full bunker gear)
Wear self-contained breathing apparatus with facepiece

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Not required

6.2 Environmental precautions

Prevent spill of 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).

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 measures required
Avoid ingestion, inhalation, skin and eye contact.

7.2 Conditions for safe storage, including any incompatibilities**Storage conditions**

Store in tightly closed packings.
Protect from contacting with light, heat and moisture.

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**

At this time, no TLV or limit value has been established, even though this material may produce adverse health effects. Airborne concentrations must be maintained as low as is practically possible and occupational exposure must be kept to a minimum.

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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 required.

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.

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 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	Fluid
Appearance	Fluid
Color	Clear pale yellow or colorless
Odor	Odorless
Odor threshold	Not determined

Property

pH value	6.5 – 7.5
Melting point/Melting range	Not determined
Boiling point/Boiling range	<100°C
Flash point	Not applicable
Flammability (solid, gaseous)	Not applicable

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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	Fully miscible in water
Partition coefficient (n-octanol/water at 25 °C)	Not determined
Kinematic viscosity	Not applicable
Dynamic viscosity	Not applicable
9.2 <u>Other information</u>	
Surface tension	Not applicable
Dissociation constant	Not applicable
Granulometry	Not applicable

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity**
No further relevant information available
- 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**
Air, light, heat
- 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

Over 5000 mg/kg

Primary Irritant effect**Skin corrosion/irritation**

No irritant effect; Patch test, tested at 160µl pure/48 hours

Serious eye damage/irritation

Slightly irritant. HET-CAM Test (in vitro), dilution at 10%

Respiratory tract

Not determined

Respiratory/skin sensitization

Not determined

Additional toxicological information**Toxicokinetics, metabolism and distribution**

Not determined

Repeated dose toxicity

Not determined

CMR effects (carcinogenicity, 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

Not determined

STOT-repeated exposure

Not determined

Aspiration hazard

Not determined

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

No further relevant information available

12.2 Persistence and degradability

Predicted to be ready biodegradable (ECOSAR)

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**

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

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

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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

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)
Water 7732-18-5

Canada Domestic Substances List (DSL)
Water 7732-18-5

Canada Non-Domestic Substances List (NDSL)
Substance is not listed.

European Inventory of Existing Chemical Substances (EINECS)
Water 7732-18-5

Japan Existing and New Chemical Substances (ENCS)
Substance is not listed.

China Inventory of Existing Chemical Substance (IECSC)
Water 7732-18-5

Korean Existing and Evaluated Chemical Substances (KECL)
Water 7732-18-5

Philippines Inventory of Chemicals and Chemical Substances (PICCS)
Water 7732-18-5

Australian Inventory of Chemical Substances (AICS)
Water 7732-18-5

New Zealand Inventory of Chemicals
Water 7732-18-5

TCSI - Taiwan Chemical Substance Inventory
Water 7732-18-5
Potassium Azeloyl Diglycinate 477773-67-4

OECD - List of High Production Volume Chemicals
Water 7732-18-5

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.

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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

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

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

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

Sources

Own data from manufacture

Chemical safety report according to REACH registration dossier