

Safety Data Sheet

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

Trade name: **Azeclair®**

Version: 10

Revision: 2023.11.20

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

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.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Composition/information on ingredients

Name	Chemical name	Identification	Classification	SCLs, M-Factors	%
COMPONENT					
Potassium Azeloyl Diglycinate	-	(CAS No.) 477773-67-4 (EC No.) 686-756-8	Eye Irrit. 2 H319 Skin Irrit. 2 H315	-	28-30%
Water	-	(CAS No.) 7732-18-5 (EC No.) 231-791-2	Not Classified	-	68-72%
PRESERVATIVE					
1,2 Hexanediol	DL-hexane-1,2-diol	(CAS No.) 6920-22-5 (EC No.) 230-029-6	Eye Irrit. 2 H319	-	0.1-1%
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	-	0.1-1%
Ethylhexylglycerin	-	(CAS No.) 70445-33-9 (EC No.) 615-116-2	Eye Dam. 1 H318 Aquatic Chronic 3 H412	-	<0.1%

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.

4.3 Indication of any immediate medical attention and special treatment needed

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Note to physicians

No further relevant information available.

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 (NO_x)

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Protective equipment:

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.

Information about fire - and explosion protection:

No special measures required.

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.

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Storage class (VbF) No
Requirements to be met by storerooms and receptacles
 No special measures required.
Information about storage in common storage facility
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 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.

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 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.

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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
<u>Property</u>	
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
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 Other information

Surface tension	Not applicable
Dissociation constant	Not applicable
Granulometry	Not applicable

Information with regard to physical hazard classes

Explosives	Void
Flammable Gases and Chemically Unstable Gases	Void

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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

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

Name	Potassium Azeloyl Diglycinate CAS:477773-67-4	Water CAS:7732-18-5	1,2 Hexanediol CAS: 6920-22-5	Phenoxyethanol CAS:122-99-6	Ethylhexylglycerin CAS:70445-33-9
Acute toxicity	*LD50 > 2,000 mg/kg bw	Not Classified	Based on available data, the classification criteria are not met.	*Acute Tox. 4	Not Classified

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Skin corrosion/irritation	No irritant effect (tested at 160µl pure/48 hours)	Not Classified	Skin corrosion/irritation: non-irritant	Not Classified	Not Classified
Serious eye damage/irritation	Slightly irritant (dilution at 10%)	Not Classified	*Eye Irrit. 2	*Eye Dam. 1	*Eye Dam. 1
Respiratory tract	Not determined	Not Classified	Not determined	Not Classified	Not Classified
Respiratory/skin sensitization	Not determined	Not Classified	Based on available data, the classification criteria are not met.	Not Classified	Not Classified
Toxicokinetics, metabolism and distribution	Not determined	Not Classified	Not determined	Not Classified	Not Classified
Repeated dose toxicity	Not determined	Not Classified	Based on available data, the classification criteria are not met.	Not Classified	Not Classified
Germ Cell mutagenicity	Non mutagenic and Non pro-mutagenic (dilution at 28-32%)	Not Classified	Based on available data, the classification criteria are not met.	Not Classified	Not Classified
Carcinogenicity	Based on available data, the classification criteria are not met.	Not Classified	Not determined	Not Classified	Not Classified
Reproductive toxicity	Based on available data, the classification criteria are not met.	Not Classified	Based on available data, the classification criteria are not met.	Not Classified	Not Classified
STOT-single exposure	Not determined	Not Classified	Not Classified	*STOT SE 3	Not Classified
STOT-repeated exposure	Not determined	Not Classified	Not Classified	Not Classified	Not Classified
Aspiration hazard	Not determined	Not Classified	Not Classified	Not Classified	Not Classified

*from ECHA webpage registration data

11.2 Information on other hazards

Endocrine disrupting properties

Substance is not listed.

SECTION 12: ECOLOGICAL INFORMATION

Name	Potassium Azeloyl Diglycinate CAS:47773-67-4	Water CAS:7732-18-5	1,2 Hexanediol CAS: 6920-22-5	Phenoxyethanol CAS:122-99-6	Ethylhexylglycerin CAS:70445-33-9
12.1 Toxicity Aquatic toxicity	No further relevant information available.	No further relevant information available.	*Study reports have been available for consideration in respect of acute	*The most sensitive reliable acute aquatic value with a standard test	*Aquatic Chronic 3

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			tests with fish, invertebrates, algae and micro-organism. As in all studies up to the highest tested concentration of at least 100 mg/l but also above no effects were seen, no hazard was identified and consequently no PNECs for the environment were derived.	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.	
12.2 Persistence and degradability	Predicted to be readily biodegradable (ECOSAR)	No further relevant information available.	*The substance is readily biodegradable. Thus, no further degradation tests (biotic or abiotic) are necessary. The substance is considered rapidly degradable in the environment. No persistence of the substance in the environment is expected.	*Readily biodegradable.	No further relevant information available.
12.3 Bioaccumulative potential	No further relevant information available.	No further relevant information available.	*The substance has a low volatility under environmental conditions (estimated Henry's law constant: 0.0411 Pa · m ³ /mol). No information about the adsorption/desorption to soil is available, but as the substance has a low logKow (0.58 at 25°C) it is expected that	*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.	No further relevant information available.

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			the substance is mobile in soil. Due to the low log Kow, bioaccumulation in aquatic or terrestrial species is not expected.		
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 HP4

Irritant - skin irritation and eye damage

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

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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

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	Potassium Azeloyl Diglycinate CAS:477773-67-4	Water CAS:7732-18-5	1,2 Hexanediol CAS: 6920-22-5	Phenoxyethanol CAS:122-99-6	Ethylhexylglycerin CAS:70445-33-9
Inventory - United States - Toxic Substances Control Act (TSCA)	N	Y	Y	Y	N
Inventory - Canada - Domestic Substances List (DSL)	N	Y	N	Y	Y
Inventory - Canada - Non-Domestic Substances List (NDSL)	N	N	Y	N	N
Inventory - Canada - Revised In Commerce List (R-ICL)	N	N	N	N	N
ECHA Inventory of substances	Y	Y	Y	Y	Y

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Japan Existing and New Chemical Substances (ENCS)	N	N	Y	Y	Y
Inventory of Existing Chemical Substances in China (IECSC)	N	Y	Y	Y	Y
Korean Existing and Evaluated Chemical Substances (KECL)	N	Y	Y	Y	Y
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	N	Y	Y	Y	Y
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	N	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)

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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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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