

Safety Data Sheet

according to 1907/2006/EC, Article 31

Trade name: **GenoWhite®**

Version: 8

Revision: 2022.09.13

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

1.1 Product identifier

Trade name	GenoWhite®
CAS number	1016788-34-3

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 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

Warning, substance not yet fully tested. May cause eye irritation
Results of PBT and vPvB assessment
Not applicable

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Chemical characterization:** Substances

3.2 **Composition/information on ingredients**

Chemical Name	CAS No.	EC No.
Acetyl Glycyl Beta-Alanine	1016788-34-3	816-146-0

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

Immediately wash with water and soap and rinse thoroughly.
Seek medical advice if irritation occurs.

After eye contact

Immediately rise opened eyes with running water for at least 20 minutes. Seek medical attention.

After swallowing

Do not induce vomiting. If the person is conscious, give small quantities of water to drink.
Do not give anything by mouth to an unconscious person.
Seek medical treatment.

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

Foam, dry chemical powder, carbon dioxide and BCF (where regulations permit)

Unsuitable extinguishing media

Not determined

5.2 **Special hazards arising from the substance or mixture**

Emits toxic fumes under fire conditions

In case of fire, the following can be released: carbon monoxide, carbon dioxide and nitrogen oxides

5.3 Advice for firefighters

Wear breathing apparatus plus protective gloves.

Additional information

Alert Fire Brigade and tell them location and nature of hazard.

Use water delivered as a fine spray to control fire and cool adjacent area.

Prevent, by any means available, spillage from entering drains or water courses.

Do not approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location.

If safe to do so, remove containers from path of fire.

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

Non-emergency personnel:

Put on appropriate personal protective equipment.

Personal Protection Equipment for Emergency Responders:

Remove persons from danger area.

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

6.2 Environmental precautions

Do not allow to enter sewers/surface or ground water.

Dispose according to local or international regulations.

6.3 Methods and material for containment and cleaning up

Pick up mechanically using appropriate tools. Avoid raising dust.

Collect spilled product by suitable means. Transfer collected product and other contaminated materials to suitable tanks or containers for recycle, recovery or safe disposal.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

SECTION 7: HANDLING AND STORAGE
7.1 Precaution for safe handling**Advice on safe handling**

Avoid ingestion, inhalation, skin and eye contact.

Minimize dust generation and accumulation.

Handle in accordance with good industrial hygiene practice and any legal requirements.

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

Protect from contacting with light, heat and moisture.

Store in tightly closed container at 25°C. It is best to use the entire contents of the pack after opening. If the contents are only partly used, reseal carefully and store in a dry place.

Incompatible materials

Avoid reaction with strong acid, alkali and oxidizing agents.

Storage class (VbF)

No

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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.

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

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

Appropriate engineering controls to avoid dust in air

Environmental exposure controls

Not determined

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties

Physical State	Powder
Appearance	Powder
Color	White
Odor	Odourless
Odor threshold	Not determined

Property

pH value (5%)	2-3.5
Melting point/Melting range	165-180 °C
Boiling point/Boiling range	Not determined
Flash point	Not applicable
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	0.000249 hPa (Calculated, EPI Suite)
Vapor density	Not determined
Relative density	Not determined
Evaporation rate	Not determined
Solubility	Soluble
	Water- At 20 °C: 173 g/l
Partition coefficient (n-octanol/water at 25 °C)	-1.78 log POW (Calculated, EPI Suite)
Kinematic viscosity	Not applicable
Dynamic viscosity	Not applicable

9.2 Other information

Surface tension	Not determined
Dissociation constant	Not determined
Granulometry	Not determined
Molecular weight	188.18 g/mol

SECTION 10: STABILITY AND REACTIVITY
10.1 Reactivity

Avoid reaction with strong acid, alkali and oxidizing agents.

10.2 Chemical stability

Stable under normal condition

Thermal decomposition/conditions to be avoided

No decomposition if used according to specifications

10.3 Possibility of hazardous reactions

See section 7.2.

10.4 Conditions to avoid

Heat, fire, moisture and incompatible substances

10.5 Incompatible materials

See section 7.2.

10.6 Hazardous decomposition products

Thermal decomposition products: carbon monoxide, carbon dioxide and nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity****LD/LC50 values relevant for classification**

Not determined

Primary Irritant effect**Skin corrosion/irritation**

Two tests with product diluted at 5% showed no irritant effect:
 Acute skin tolerance (48- hour single patch test, semi-occlusive): Non irritant
 In vitro skin irritation, OECD Guideline 439: Non irritant

Serious eye damage/irritation

HET-CAM Test (in vitro), dilution at 5%: practically non irritant

Respiratory tract

Not determined

Respiratory/skin sensitization

Not determined

Additional toxicological information

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Toxicokinetics, metabolism and distribution

Not determined

Repeated dose toxicity

Not determined

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ Cell mutagenicity**

Ames test (OECD Guideline 471, Bacterial Reverse Mutation Test and test Method B13/B14 of Commission Directive 2000/32/EC): Non mutagenic/non pro-mutagenic

Carcinogenicity

Not determined

Reproductive toxicity

Not determined

STOT-single exposure

Not determined

STOT-repeated exposure

Not determined

Aspiration hazard

Not determined

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

Calculated values (ECOSAR) of LC50, EC50 and ChV for fish, daphnid and green algae are higher than cut values considered for classification.

12.2 Persistence and degradability

OECD Guideline 301B (Ready Biodegradability: CO2 Evolution Test); activated sludge, domestic, non-adapted: 93,7 % degradation of test substance after 28 days
Readily biodegradable

12.3 Bioaccumulative potential

BCF = 3,162 L/kg wet-wt (Calculated from regression-based method, ECOSAR)

Log Kow: -1,78 (Calculated, EPI Suite)

Ready biodegradability test, calculated BCF and Log Kow indicate that the substance has a low bioaccumulative potential

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

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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
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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)**

Substance is not listed.

Canada Domestic Substances List (DSL)

Substance is not listed.

Canada Non-Domestic Substances List (NDSL)

Substance is not listed.

European Inventory of Existing Chemical Substances (EINECS)

Substance is not listed.

Japan Existing and New Chemical Substances (ENCS)

Substance is not listed.

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China Inventory of Existing Chemical Substance (IECSC)

Substance is not listed.

Korean Existing and Evaluated Chemical Substances (KECL)

Substance is not listed.

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Substance is not listed.

Australian Inventory of Chemical Substances (AICS)

Substance is not listed.

New Zealand Inventory of Chemicals

Substance is not listed.

TCSI - Taiwan Chemical Substance Inventory

Substance is listed.

OECD - List of High Production Volume Chemicals

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.

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

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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