

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Trade name: **GenoWhite™**

Version: 6

Revision: 2021.05.20

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

### 1.1 Product identifier

Trade name	<b>GenoWhite™</b>
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 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
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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

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**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

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

<b>Physical State</b>	Powder
<b>Appearance</b>	Powder
<b>Color</b>	White
<b>Odor</b>	Odourless
<b>Odor threshold</b>	Not determined

**Property**

<b>pH value (5%)</b>	2-3.5
<b>Melting point/Melting range</b>	165-180 °C
<b>Boiling point/Boiling range</b>	Not determined
<b>Flash point</b>	Not applicable
<b>Flammability (solid, gaseous)</b>	Not determined
<b>Ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Self-igniting</b>	Not determined
<b>Danger of explosion</b>	Product does not present an explosion hazard
<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>	0.000249 hPa (Calculated, EPI Suite)
<b>Vapor density</b>	Not determined
<b>Relative density</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Solubility</b>	Soluble
	Water- At 20 °C: 120 g/l
<b>Partition coefficient (n-octanol/water at 25 °C)</b>	-1.78 log POW (Calculated, EPI Suite)
<b>Kinematic viscosity</b>	Not applicable
<b>Dynamic viscosity</b>	Not applicable

**9.2 Other information**

<b>Surface tension</b>	Not determined
<b>Dissociation constant</b>	Not determined
<b>Granulometry</b>	Not determined
<b>Molecular weight</b>	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**

<b>Marine pollutant</b>	No
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**14.6 Special precautions for user**

<b>Special precaution for user</b>	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)/ 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.

**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.

**National regulations****Other regulations, limitations and prohibitive regulations**

Not determined

**Substances of very high concern (SVHC) according to REACH, Article 57 and 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