

SAFETY DATA SHEET

According to the REACH Regulation (EC) 1907/2006
amended by Regulation (EU) 2020/878

VERSION: 1.0 | PRODUCT NAME: BLUWIT | ISSUE DATE: 01-JAN-2023 | REVISION DATE: 01-JAN-2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Trade name : BluWit

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Dyeing of cotton yarn for denim production.

1.2.2. Uses advised against

Restrictions on use : No information available.

1.3. Details of the supplier of the safety data sheet

Supplier:

BLU CONNECTION PTE LTD
4 Battery Road Bank of China Building #25-01 Singapore
049908
T +6591253501 - F +6565570525
mail@bluconnection.com

Importer:

1.4. Emergency telephone number

Emergency number : +6591167515

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) : Not applicable
Signal word (CLP) : Not applicable
Hazard statements (CLP) : Not applicable
Precautionary statements (CLP) : Not applicable
EUH-statements : None

2.3. Other hazards

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Fire and explosion hazard	: May form combustible dust concentrations in air. Possibility of dust explosion. it is recommended that all dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions. Do not allow dust to accumulate on flat surfaces, on rafters or building structural components. Keep away from all ignition sources including heat, sparks and flame.
Potential acute health effects from occupational exposure	: Inhalation: Exposure to high airborne concentrations may cause mild respiratory irritation due to drying effects of dust. Skin contact: Sustained exposure in a dusty manufacturing environment may result in mechanical irritation in the creases of the skin, particularly at the fingers. No health effects known or anticipated. Eye contact: May cause slight mechanical irritation from acute exposure. Ingestion: No effects known or anticipated.

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1%.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical name	: Fructose
CAS number	: 57-48-7
EINECS number	: 200-333-3

3.2. Mixtures

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

None Anticipated

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

None Anticipated

4.3. Indication of any immediate medical attention and special treatment needed

Ingestion	: Wash mouth and flush throat upto the stomach.
Inhalation	: Move people from the exposure to fresh air.
Skin contact	: Wash skin with soap and water.
Eye contact	: Remove particulates by irrigating with eye wash solution or clean water, holding eyelids apart.
General advice	: Seek medical attention if irritation develops after first aid application.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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| Suitable extinguishing media | : Water spray, dry powder, carbon dioxide or media appropriate for surrounding fire. Use of water jet may cause explosive dust conditions. |
| Unsuitable extinguishing media | : No information available. |

5.2. Special hazards arising from the substance or mixture

- | | |
|--------------------------|--|
| Fire an explosion hazard | : Possibility of dust explosion. It is recommended that all dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions. Do not allow dust to accumulate on flat surfaces, on rafters or building structural components. Use of water jet may cause explosive dust conditions.
NFPA 61, Standard for the prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 or later Edition, and other related standards. |
|--------------------------|--|

5.3. Advice for firefighters

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| Protection during firefighting | : Wear self-contained breathing apparatus and full protective gear. Use water spray to cool fire exposed containers. |
| Hazardous combustion products | : Carbon dioxide and carbon monoxide. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
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| General measures | : None under normal conditions. Avoid prolonged inhalation of dust.
Prevent further leakage or spillage if safe to do so. No special environmental precautions required. |
|------------------|---|

6.2. Environmental precautions

No additional information available.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|---|
| For containment | : No additional information available. |
| Methods for cleaning up | : Vacuum or sweep spills. Minimize dust generation. If washing down spilled area is necessary, use copious amounts of water and control runoff. |
| Other information | : Follow local, state and federal regulations for product disposal. |

6.4. Reference to other sections

For further information refer to sections 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
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| Precautions for safe handling | : See NFPA 61, Standard for the Prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 Edition, and other related standards. Use with adequate ventilation. Minimize dust generation and accumulation; dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are disturbed. |
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All dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions and may require explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Bonding and grounding systems may be required.

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- Precautions for safe handling
- : Dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) should be designed to limit or prevent leakage of dust into the work area.
 - Do not allow dust to accumulate on flat surfaces, on rafters or building structural components. Routine housekeeping should be instituted to reduce dust accumulation. Use Avoid dispersal of dust in the air; use vacuum or wet sweeping methods. Do not use compressed air to clean surfaces.
 - Keep away from all ignition sources including heat, sparks, and flame. Where dust accumulations occur use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions
- : Store in a cool dry place. Store in a tightly closed container/bag. The packaging material should have reasonable moisture and air barriers and comply with food regulations.

7.3. Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- | | |
|-----------------|---|
| Exposure limits | : Nuisance dust (also called particulate not otherwise regulated (PNOR)). |
| OSHA PEL | : 15 mg/m ³ Total dust
5 mg/m ³ Respirable dust |
| ACGIH TLV | : 10 mg/m ³ Inhalable dust
5 mg/m ³ Respirable dust
15 mg/m ³ Total dust |

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ventilation: See NFPA 61, Standard for the Prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 Edition, and National Fire Protection Association 650, Standard for Pneumatic Conveying Systems for Handling Combustible Materials, 1997 Edition and other related standards. Normal industrial hygiene measures should be sufficient for protection of employees from exposure to dusts. Local and mechanical exhaust is desirable when dumping bags.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

Not normally required.

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses are recommended. Safety goggles are desirable when dumping bags.

8.2.2.2. Skin protection

Skin and body protection:

Not normally required.

Hand protection:

Not normally required. Use ordinary work gloves if dust dries skin.

8.2.2.3. Respiratory protection

Respiratory protection:

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NIOSH approved N-95 dust respirator if working in situations that could generate large amounts of airborne dust.

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Environmental exposure controls:

No additional information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	: Crystalline
Color	: White to off-white
Odor	: Odorless
Odor threshold	: Not determined
pH	: Data on specification sheet if available.
Melting point/freezing point	: Not determined
Boiling point / boiling range	: Not determined
Flash point	: Not determined
Evaporation rate	: Not determined
Flammability (solid, gas)	: Not flammable
Flammability limit in air	: Not applicable
Vapor pressure	: Not determined
Vapor density	: Not applicable
Density	: 0.80 - 0.88 g/cm ³
Relative density	: Not determined
Solubility(ies)	: Soluble
Partition coefficient (logpow)	: Not determined
Autoignition temperature	: Not applicable
Decomposition temperature	: Not determined
Kinematic viscosity	: Not determined
Dynamic viscosity	: Not determined
Explosive properties	: Not an explosive
Oxidizing properties	: Not determined

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available.

9.2.2. Other safety characteristics

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable.

10.2. Chemical stability

Stable under normal conditions. Polymerization will not occur.

10.3. Possibility of hazardous reactions

Not applicable.

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10.4. Conditions to avoid

Practices which produce dust or disperse finely divided dust in air.

See NFPA 61. Standard for the Prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 Edition, and other related standards.

10.5. Incompatible materials

Oxidizing agents, strong acids.

10.6. Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Ingestion	: No effects known or anticipated.
Inhalation	: Exposure to high airborne concentrations may cause mild respiratory irritation due to drying effects of dust.
Eye irritation	: May cause slight mechanical irritation from acute exposure.
Skin sensitisation	; Not sensitizing
Chronic / genetic toxicity	: Not known or anticipated.
Carcinogenicity	: Not classifiable as Carcinogen.
Reprotoxicity	: Not known or anticipated.
Specific effects	: Not applicable.
Skin irritation / corrosion	: Sustained exposure in a dusty manufacturing environment may result in mechanical irritation in the creases of the skin, particularly at the fingers, or other drying effects. No health effects known or anticipated.

11.2. Information on other hazards

11.2.1. Other information

Potential adverse human health effects and symptoms : No additional information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Starch and its breakdown products are not known to be toxic to plant and animal life.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

Starch and its breakdown products are not fat-soluble, and do not accumulate in plant or animal tissue.

12.4. Mobility in soil

Not applicable.

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12.5. Results of PBT and vPvB assessment

BluWit

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1%.

12.7. Other adverse effects

Other adverse effects : No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Follow local, state and federal regulations for product disposal. Not a hazardous waste unless contaminated with hazardous products.
Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID: not classified as dangerous for transport.

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
-	-	-	-	-
14.2. UN proper shipping name				
-	-	-	-	-
Transport document description				
Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3. Transport hazard class(es)				
14.4. Packing group				
-	-	-	-	-
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

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None

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Indication of changes:

No information available.

Abbreviations and acronyms:

SDS	Safety Data Sheet
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road

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Abbreviations and acronyms:	
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EN	European Standard
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources : ECHA, Loli.
 Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.
 Other information : No information available.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.