

SDS REPORT

APPLICANT : BUKI FRANCE

ADDRESS : 22, RUE DU 33ÈME MOBILES - 72000 LE MANS,
FRANCE

SAMPLE DESCRIPTION : WHITE GLUE

RECEIVED DATE : NOV. 11, 2024

COMPILATION PERIOD : NOV. 11, 2024 TO NOV. 15, 2024

RESULT SUMMARY :

COMPILATION REQUESTED BY APPLICANT:	RESULT
- (EC) No 1272/2008 and (EC) No 1907/2006 & (EU) 2020/878	Please refer to next page(s).

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

SIGNED FOR AND ON BEHALF OF
EUROFINS TESTING TECHNOLOGY (SHENZHEN) CO., LTD.



Harry Chen
Senior R&D Manager



Coco Luo
Senior Lab Manager



SAFETY DATA SHEET

According to Regulation (EC) No 1272/2008 and (EC) No 1907/2006 & (EU) 2020/878

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identification /Trade name : White Glue
UFI : Not applicable.

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

Relevant identified uses : Gluing the components together.
Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Supplier : BUKI FRANCE
Supplier address : 22, RUE DU 33ÈME MOBILES - 72000 LE MANS, FRANCE
Telephone : +33 1 46 65 09 92
Fax : +33 1 46 63 16 22
Email of the person in charge : jboulonne@bukifrance.com

1.4. Emergency telephone Number (0086)13615742266
24h Emergency telephone : (0086)13615742266
Only available during office hours : +33 1 46 65 09 92
(8:30a.m.-17:30p.m.)

Section 2 Hazards Identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended(CLP/GHS).

This product does not meet the criteria for classification in any hazard class.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 as amended(CLP/GHS).

Hazard pictogram(s) : No hazard pictogram is used.
Signal word : No signal word is used.
Hazard statement(s) : Not applicable.
Precautionary statement(s) : Not applicable.
Supplemental Hazard information(EU) : Not applicable.

2.3. Other hazards

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This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006.

The mixture does not contain Endocrine disrupting substances at levels of 0.1% or higher.

Section 3 Composition/information on ingredients

Substance/Mixture : Mixture.

Ingredient(s) :

Substance	CAS No.	EC No.	REACH Registration No. & Index No.	Weight (%)	Classification according to Regulation (EC) No 1272/2008(CLP)	SCLs, M- Factors, ATE
water	7732-18-5	231-791-2	/	55%	Not Classified	/
Polyvinyl Alcohol	9002-89-5	618-340-9	/	25%	Not Classified	/
polyvinyl acetate	9003-20-7	618-358-7	/	15%	Not Classified	/
titanium dioxide	13463-67-7	236-675-5	022-006-00-2	5%	H351 Carc. 2(inhalation)	/

For the wording of the listed hazard phrases refer to section 16.

Section 4 First aid measures

4.1. Description of first aid measures

- 4.1.1. General information** : Remove contaminated, saturated clothing immediately.
- 4.1.2. Following inhalation** : Remove casualty to fresh air, consult doctor in case of complaints.
- 4.1.3. Following skin contact** : Normally, no special measures are required. If there is any irritation or rash, wash off with soap and plenty of water.
- 4.1.4. Following eyes contact** : Normally, no special measures are required. In case of any symptoms, flush off immediately with plenty of water.
- 4.1.5. Following ingestion** : Rinse mouth with water. consult doctor in case of complaints.
- 4.1.6. Self-protection of the first aider** : Pay attention to self-protection.
- 4.2. Most important symptoms and effects, both acute and delayed** : The most important known symptoms and effects are described in section 2 and/or in section 11.
- 4.3. Indication of any immediate medical attention and special treatment needed**
- Specific treatment** : Decontamination, treatment of symptoms.
- Notes for the doctor** : Treat symptomatically.

Section 5 Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media : Water spray, CO₂, Foam, Dry powder, Dry sand.

Unsuitable extinguishing media : Avoid using the direct flow of water to extinguish a fire. Direct flow of water may cause containers to rupture and liquids to splash, allowing the fire to spread.

5.2. Special hazards arising from the substance or mixture : No flammable, due to the packaging there of can cause burning of accessories. In case of fire, can lead to release of irritating or toxic gases/dust. Carbon oxides.

5.3. Advice for firefighters : Special protective equipment for firefighters: Wear a self-contained breathing apparatus and full protective clothing. Put out the fire in the upwind direction. If possible, move the container to the open space as soon as possible. Keep the container cool with water spray until the end of fire fighting. Isolate hazard area and deny entry.

5.4. Additional information : Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Section 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel : Do not inhale steams/aerosols. Ensure adequate ventilation.

6.1.2. For emergency responders : Remove persons to safety. Isolate hazard area and deny entry. Ventilate closed spaces before entering. Use personal protective equipment, see Section 8.

6.2. Environmental Precautions : Make sure spills can be contained. Avoid throwing material to water bodies or streams. Avoid discharge into sewers and the environment.

6.3. Methods and material for Containment and Cleaning up

6.3.1. For containment : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust), Prevent further leakage or spillage if safe to do so.

6.3.2. For cleaning up : Clean up contaminated objects and areas and collect them in closed and suitable containers for treatment. Strictly comply with environmental regulations.

6.3.3. Other information : None.

6.4. Reference to other sections : For personal protection see section 8, For handling see section 7, For disposal see section 13.

Section 7 Handling and storage

7.1. Precautions for safe handling

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According to Regulation (EC) No 1272/2008 and (EC) No 1907/2006 & (EU) 2020/878

- 7.1.1. Protective measures** : Not required under normal use, ensure good ventilation/exhaustion at the workplace.
- 7.1.2. Measures to prevent fire** : This product is not flammable. Normal measures for preventive fire protection.
- 7.1.3. Measures to prevent aerosol and dust generation** : Normally, no special measures are required.
- 7.1.4. Measures to protect the environment** : Avoiding spills or keeping away from drains.
- 7.1.5. Advice on general occupational hygiene** : Work in well-ventilated zones or use proper respiratory protection. Do not eat, drink and smoke in work areas. Wash hands after use. Before entering eating areas, take off contaminated clothing and protective equipment. Wash contaminated clothing prior to re-use.
- 7.2. Conditions for safe storage, including any incompatibilities**
- 7.2.1. Technical measures and storage conditions** : Store at room temperature.
- 7.2.2. Requirements for storage rooms and vessels** : Store in a cool, dry, well-ventilated area.
- 7.2.3. Further information on storage conditions** : Keep container tightly sealed. Protect container against damage.
- 7.3. Specific end use(s)** : Apart from the uses mentioned in section 1.2 no other specific uses are stipulated. Observe instructions for use.

Section 8 Exposure Controls/Personal Protection

8.1. Control parameters

8.1.1. Occupational exposure limits :

Country	Substance	CAS No.	Occupational Exposure Limit Value(OEL)			
			Eight hours		Short term	
			ppm	mg/m ³	ppm	mg/m ³
Germany (DFG)	Titanium dioxide	13463-67-7	/	0.3		2.4

Data source: GESTIS International Limit Values.

- Biological limit values** : Does not contain substances with biological exposure limit values.
- 8.1.2. Currently recommended monitoring procedures** : Not required under normal use.

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8.1.3. If air contaminants are formed when using the substance or mixture as intended : air contaminants are not formed when using the substance or mixture as intended.

8.1.4. DN(M)EL :

Substance	DNEL		Inhalation exposure		Dermal exposure		Oral exposure		
			Long term	Short term	Long term	Short term	Long term	Short term	
Titanium dioxide	General Population	Local	28 µg/m³	No hazard	No hazard	No hazard	/	/	
		Systemic	No hazard	No hazard	No hazard	No hazard	No hazard	No hazard	
	workers	Local	170 µg/m³	No hazard	No hazard	No hazard	No hazard	/	/
		Systemic	No hazard	No hazard	No hazard	No hazard	No hazard	/	/
Data source: REACH Data.									

PNEC : No data available.

8.1.5. Details of any control banding approach used : Not required under normal use.

8.2. Exposure controls

8.2.1. Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work. Ensure adequate ventilation, especially in confined.

8.2.2. Individual protection measures, such as personal protective equipment

Eyeface protection : Not required under normal use. Equipped with safety glasses if necessary.

Hand protection : Not required under normal use. Equipped with safety gloves if necessary.

Body protection : Not required under normal use. Wear work clothes if necessary.

Respiratory protection : Not necessary if room is well-ventilated. Use suitable respiratory protective device only when aerosol or mist is formed. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Thermal hazards : Not required under normal use.

8.2.3. Environmental exposure controls : Keep container tightly sealed when not in use. Avoid discharge into the environment. Refer to National or Local regulations before disposal.

Section 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid.

Colour : No data available.

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According to Regulation (EC) No 1272/2008 and (EC) No 1907/2006 & (EU) 2020/878

Odour	: No data available.
Odour threshold	: No data available.
Melting point/freezing point (°C)	: 1560 °C(CAS#13463-67-7)
Boiling point or initial boiling point and boiling range (°C)	: ca. 3000 °C(CAS#13463-67-7)
Flammability	: Non-flammable Liquid.
Lower explosion limit	: No data available.
upper explosion limit	: No data available.
Flash point (°C)	: No data available.
Auto-ignition temperature (°C)	: No data available.
Decomposition temperature (°C)	: Not applicable.
pH	: No data available.
Kinematic viscosity	: No data available.
Solubility	: No data available.
Partition coefficient n-octanol/water (log value)	: Not applicable.
Vapour pressure	: No data available.
Density and/or relative density	: 3.9 g/cm ³ (CAS#13463-67-7).
Relative vapour density	: No data available.
Particle characteristics	: Not applicable.
9.2. Other information	:
Information with regard to physical hazard classes	: No additional information relevant to safe use of the product.
Other safety characteristics	: No additional information relevant to safe use of the product.

Section 10 Stability and reactivity

10.1. Reactivity	: No reaction if used according to specification.
10.2. Chemical stability	: The product is chemically stable under recommended conditions of storage, use and temperature.
10.3. Possibility of hazardous reactions	: No hazardous reaction when handled and stored according to provisions.
10.4. Conditions to avoid	: Shock, Fire and heat.

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- 10.5. Incompatible materials** : Strong acid, strong alkali and strong oxidizer.
- 10.6. Hazardous decomposition products** : Does not decompose when used for intended uses.

Section 11 Toxicological information

11.1. Information on toxicological effects

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

Substance	CAS No.	LD50(Oral, Rat)	LC50(Inhalation, Rat)	LD50(Dermal, Rabbit)
Titanium dioxide	13463-67-7	2000 - 25000 mg/kg	3.43 - 6.82 mg/L air	/

Data source: REACH Data.

Skin corrosion/Irritation : Based on available data, the classification criteria are not met.

Serious eye damage/Irritation : Based on available data, the classification criteria are not met.

Respiratory or skin sensitization : Based on available data, the classification criteria are not met.

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

STOT-repeated exposure : Based on available data, the classification criteria are not met.

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

11.2. Information on other hazards

Endocrine disrupting properties : The mixture does not contain endocrine disruptor at levels of 0.1% or higher.

Other information : No data available.

Section 12 Ecological information

- 12.1. Toxicity** : The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. Do not flush into surface water or sanitary sewer system. The product contains following substances which are hazardous for the environment.

Substance	CAS No.	Fish LC50	Aquatic invertebrates EC50	aquatic algae and cyanobacteria EC50
Titanium dioxide	13463-67-7	160 mg/L (96 H)	2.41 - 103.9 mg/L (48 H)	100 mg/L (72 H)

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Data source: REACH Data.

- 12.2. Persistence and degradability** : No data available.
- 12.3. Bioaccumulative potential** : No data available.
- 12.4. Mobility in soil** : No data available.
- 12.5. Results of PBT and vPvB assessment** : This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006.
- 12.6. Endocrine disrupting properties** : The mixture does not contain endocrine disruptor at levels of 0.1% or higher.
- 12.7. Other adverse effects** : No data available.

Section 13 Disposal considerations

- 13.1. Waste treatment methods** : Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
- Packaging disposal** : Since emptied containers may retain product residue, Do not reuse before thorough cleaning.
- Waste treatment-relevant information** : The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Sewage disposal-relevant information** : Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Other disposal recommendations** : Packages that may not be cleansed are to be disposed of in the same manner as the product.

Section 14 Transport information

		IMDG	ADR/RID	ADN	ICAO/IATA
14.1.	UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated
14.2.	UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3.	Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4.	Packing group	Not regulated	Not regulated	Not regulated	Not regulated

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14.5.	Environmental hazards	No	No	No	No
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14.6. **Special precautions for user** : Normally, no special measures are required. See other sections of the safety data sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

EU regulations

(EC) No 1005/2009(ODS) : Not listed.

Candidate List(REACH) : Not listed.

Restrictions on use(REACH) : Not listed.

(EC) No 1272/2008(CLP) : Titanium dioxide is listed in the CLP Regulation.

(EU) No 2019/1021(POPs) : Not listed.

EC inventory : All substances are listed in the EINECS, ELINCS, or NLP inventories or otherwise compliant.

15.2. **Chemical safety assessment** : For this product a chemical safety assessment has not been carried out.

Section 16 Other information

16.1. Indication of changes

Version	Changes	Compilation guide	Date
Version 1.0	First edition	(EC) No 1272/2008, (EC) No 1907/2006 & (EU) 2020/878	NOV. 15, 2024
Version 2.0	Revise hazards identification.	(1)(EC) No 1272/2008, (EC) No 1907/2006 & (EU) 2020/878 (2) Replacement of report No: EFSN24110518-C-0101. Upon receipt of this report, the previous report No: EFSN24110518-C-0101 will be invalid immediately. (3) Revision history: Revise hazards identification.	See page header

16.2. Abbreviations and acronyms

IMDG: International Maritime Dangerous Goods Code.

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

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RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ICAO: The International Civil Aviation Organization Technical Instructions on the Safe Transport of Dangerous Goods by Air.

IATA: International Air Transport Association-Dangerous Goods Regulations.

SCLs: Specific Concentration limits.

UFI: Unique Formula Identifier.

ATE: Acute Toxicity Estimate.

LC50: Lethal Concentration to 50 % of a test population.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

EC50: Lethal Dose to 50% of a test population (Median Lethal Dose).

NOEC: No Observed Effect Concentration.

DNEL: derived no-effect level.

PNEC: predicted no-effect concentration.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

M-factor: Multiplying factor.

16.3. Key literature references and sources for data

Regulation (EC) No 1272/2008 Classification, labelling and packaging of substances and mixtures.

Regulation (EC) No 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals(REACH).

Globally Harmonized System of Classification and Labelling of Chemicals.

UN Model Regulations-Transport of dangerous goods.

29 CFR § 1910.1200 Hazard communication.

Transport of dangerous goods by road or rail (49 CFR US DOT).

ECHA Registered substances data.

16.4. Classification method of mixture

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

16.5. list of relevant hazard statements and/or precautionary statements

H351: Suspected of causing cancer.

Carc. : Carcinogenicity.

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16.6. Training advice

Proper education and training of workers facilitates safe transportation, use, storage, and disposal of products.

16.7. Disclaimer

This safety data sheet is compiled based on existing information and data. To the best of our knowledge, the above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for use, storage, transportation, and disposal. And the information is only used for the specified product, Any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

END OF SAFETY DATA SHEET