

23895-5632

Safety Data Sheet**Purple glue stick(pvp)**

*Prepared according to EU regulation No. 1907/2006

1 Identification of the substance/mixture and of the company/undertaking**Product identifier**

Product Name	Purple glue stick(pvp)
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	Not applicable

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

Relevant identified uses	Bonds paper, photo, album, cardboard etc.
Uses advised against	Not for children under 3 years.

Details of the supplier of the Safety Data Sheet

Name of the company	
Address of the company	
Post code	
Telephone number	
Fax number	
E-mail address	/

Emergency phone number

Emergency phone number	/
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2 Hazards identification**CLP classification according to Regulation (EC) No. 1272/2008**

According to Regulation (EC) No 1272/2008 and its amendments. Not classified as a dangerous substance.

Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

Hazard statements

Hazard statements	Not applicable
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Precautionary statements

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◆ Prevention	Prevention	Not applicable
◆ Response	Response	Not applicable
◆ Storage	Storage	Not applicable
◆ Disposal	Disposal	Not applicable
Other hazards		Not applicable

3 Component

Component	Cas No.	EC No.	Index No.	Hazard classification according to CLP	Concentration (weight percent, %)
Polyvinylpyrrolidone		-	-	Not Classified	
Sodium stearate			-	Not Classified	
Sorbitol			-	Not Classified	
Glycerine			-	Not Classified	
o-Cresolphthaleine			-	Not Classified	
1,2-Benzisothiazolin-3-one				Acute Toxicity – Oral , Category 4 , H302 ; Skin Corrosion/Irritation , Category 2 , H315 ; Sensitization – Skin , ategory 1 ,H317 ;Serio Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard ,Category 1 ,H400	
Water			-	Not Classified	

4 First aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	No harm in general situation. There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons, flush skin and hair with running water (and soap if available).
Ingestion	The substance is inedible and must not be swallowed, but a small amount of

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	swallowing is generally harmless.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

1	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
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Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Firefighting measures

Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

Specific hazards arising from the substance or mixture

1	Containers may explode when heated.
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Advice for firefighters

1	Use fire fighting procedures suitable for surrounding area.
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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

1	Ensure adequate ventilation.
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Environmental precautions

1	No obvious harm to the environment and personal.
2	Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

1	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7 Handling and storage

Precautions for handling

◆ Protective measures

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with eyes.

◆ Measures to prevent fire

1	Keep away from heat/sparks/open flames/ hot surfaces.
◆ Measures to prevent aerosol and dust generation	
1	Not applicable.
◆ Advice on general occupational hygiene	
1	Wash hands and face after using of the substances.
2	Replace the contaminated clothing immediately.
Conditions for safe storage, including any incompatibilities	
1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/ hot surfaces.
4	Store away from incompatible materials and foodstuff containers.
Specific end uses	
1	In addition to use mentioned in the first parts, unforeseen other specific end uses.

8 Exposure controls/personal protection

Control parameters

◆ Occupational Exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Glycerine 56-81-5	USA - OSHA	-	15	-	-
	South Korea	-	10	-	-
	Ireland	-	10	-	-
	Germany (DFG)	-	50	-	100
	Belgium	-	10	-	-
	Australia	-	10	-	-

◆ Biological limit values

Biological limit values | No information available

◆ Monitoring methods

- EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard).

◆ Derived No effect level(DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects(local)	Acute effects(systemic)	Chronic effects(local)	Chronic effects(systemic)
Polyvinylpyrrolidone 9003-39-8	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Sodium	Inhalation	No data available	No data available	No data available	No data available

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stearate 822-16-2	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Sorbitol 50-70-4	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Glycerine 56-81-5	Inhalation	No data available	No data available	56 mg/m ³	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
o-Cresolphth aleine 596-27-0	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
1,2-Benzisoth iazolin-3-one 2634-33-5	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Water 7732-18-5	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

◆ Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	No information available
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| Engineering controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Use explosion-proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk-elimination area.

| Personal protection equipment

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).
Hand protection	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	Wear fire/flame resistant/retardant clothing and antistatic boots.

9 Physical and chemical properties

| Physical and chemical properties

Appearance	Waxy solid, purple
Odor	No information available
Odor threshold	No information available

pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	> 35
Flash point(Closed cup, °C)	> 93
Evaporation rate	No information available
Flammability	Not flammable
Upper/lower explosive limits[%(v/v)]	Upper limit : No information available ; Lower limit : No information available
Vapor pressure	No information available
Vapor density(Air = 1)	No information available
Relative density(Water=1)	1.23~1.29 (Polyvinylpyrrolidone)
Solubility(mg/L)	Miscible with water
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	425 (Polyvinylpyrrolidone)
Decomposition temperature(°C)	No information available
Viscosity(mm ² /s)	No information available
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

10 Stability and reactivity

| Stability and reactivity

Reactivity	Not applicable.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Reducing agents, strong acids, bases etc.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

| Acute toxicity

Component	Cas No.	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Sorbitol		15900mg/kg(Rat)	No information available	No information available
1,2-Benzisothiazolin-3-one		1020mg/kg(Rat)	No information available	No information available
Glycerine		12600mg/kg(Rat)	> 10000mg/kg(Rabbit)	No information available
Polyvinylpyrrolidone		100000mg/kg(Rat)	No information available	No information available

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Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1		Polyvinylpyrrolidone	Category 3	Not Listed
2		Sodium stearate	Not Listed	Not Listed
3		Sorbitol	Not Listed	Not Listed
4		Glycerine	Not Listed	Not Listed
5		o-Cresolphthaleine	Not Listed	Not Listed
6		1,2-Benzisothiazolin-3-one	Not Listed	Not Listed
7		Water	Not Listed	Not Listed

Others**Purple glue stick(pvp)**

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
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	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
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information**Acute aquatic toxicity**

Component	Cas No.	Fish	Crustaceans	Algae
Sodium stearate		LC ₅₀ : >100mg/L (96h)(Fish)	EC ₅₀ : 19mg/L (48h)(Crustaceans)	ErC ₅₀ : 150mg/L (72h)(Algae)
1,2-Benzisothiazolin-3-one		LC ₅₀ : 10mg/L (96h)(Fish)	EC ₅₀ : 4.4mg/L (48h)(Crustaceans)	No information available
Glycerine		LC ₅₀ : 68100mg/L (96h)(Fish)	No information available	No information available

Chronic aquatic toxicity

Component	Cas No.	Fish	Crustaceans	Algae
Sodium stearate		No information available	NOEC : 0.48mg/L(Crustaceans)	NOEC : 31mg/L(Algae)

Persistence and degradability

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Component	Cas No.	Persistence (water/soil)	Persistence (air)
1,2-Benzisothiazolin-3-one		High	High
Sorbitol		Low	Low
o-Cresolphthaleine		High	High
Water		Low	Low
Polyvinylpyrrolidone		Low	Low

Bioaccumulative potential

Component	Cas No.	Bioaccumulative potential	comments
1,2-Benzisothiazolin-3-one		Low	Log K _{ow} =2.73
Sorbitol		Low	Log K _{ow} =-2.2
o-Cresolphthaleine		Medium	Log K _{ow} =4.153
Water		Low	Log K _{ow} =-1.38
Polyvinylpyrrolidone		Low	Log K _{ow} =0.2484

Mobility in soil

Component	Cas No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (K _{oc})
1,2-Benzisothiazolin-3-one		Low	103.9
Sorbitol		Low	10
o-Cresolphthaleine		Low	839300
Water		Low	14.3
Polyvinylpyrrolidone		Low	40.46

Results of PBT and vPvB assessment

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 1907/2006)
Polyvinylpyrrolidone		not PBT/vPvB
Sodium stearate		not PBT/vPvB
Sorbitol		not PBT/vPvB
Glycerine		not PBT/vPvB
o-Cresolphthaleine		not PBT/vPvB
1,2-Benzisothiazolin-3-one		not PBT/vPvB
Water		not PBT/vPvB

13 Disposal considerations

Disposal considerations

Waste chemicals | Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.

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Contaminated packaging Disposal recommendations	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible. Refer to section 13.1 and 13.2.
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14 Transport information**Label and Mark**

Transporting Label	Not applicable
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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ICAO/IATA-DG

ICAO/IATA-DG	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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15 Regulatory information**International chemical inventory**

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Polyvinylpyrrolidone	x	✓	✓	✓	✓	✓	✓	✓	✓
Sodium stearate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sorbitol	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glycerine	✓	✓	✓	✓	✓	✓	✓	✓	✓
o-Cresolphthaleine	✓	✓	✓	✓	✓	✓	x	✓	x
1,2-Benzisothiazolin-3-one	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water	✓	✓	✓	✓	✓	✓	✓	✓	x

[EINECS] European Inventory of Existing Commercial Chemical Substances

[TSCA] United States Toxic Substances Control Act Inventory

[DSL] Canadian Domestic Substances List

[IECSC] China Inventory of Existing Chemical Substances

[NZIoC] New Zealand Inventory of Chemicals

[PICCS] Philippines Inventory of Chemicals and Chemical Substances

[KECI] Existing and Evaluated Chemical Substances

[AICS] Australia Inventory of Chemical Substances

[ENCS] Existing And New Chemical Substances

European chemical inventory

Component	A	B	C	D	E	F	G
Polyvinylpyrrolidone	x	x	x	✓	x	x	x
Sodium stearate	x	x	x	✓	x	x	x
Sorbitol	x	x	x	✓	x	x	x

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Glycerine	x	x	x	√	√	x	x
o-Cresolphthaleine	x	x	x	√	x	x	x
1,2-Benzisothiazolin-3-one	x	x	x	√	x	x	x
Water	x	x	x	√	x	x	x

【A】 Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

【B】 Substances requiring authorisation under EU REACH regulation

【C】 Substances restricted under EU REACH

【D】 Pre-registered substances under EU REACH

【E】 Registered substances under EU REACH

【F】 Substance Evaluation – CoRAP under EU REACH

【G】 List of priority substances under EU water policy (Directive 2455/2001/EC)

Note

"√" Indicates that the substance included in the regulations

"x" That no data or included in the regulations

16 Others

Information on revision

Creation Date	2017/09/07
Revision Date	2017/09/07
Reason for revision	-

Reference

[1]IPCS:The International Chemical Safety Cards (ICSC) ,website: <http://www.ilo.org/dyn/icsc/showcard.home>.

[2]IARC , website: <http://www.iarc.fr/>.

[3]OECD: The Global Portal to Information on Chemical Substances, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.

[4]CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.

[5]NLM:ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

[6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.

[7]U.S. Department of Transportation:ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.

[8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS - Chemical Abstracts Service

PC-SEL - Short term exposure limit

DNEL - Derived No Effect Level

RPE - Respiratory Protective Equipment

LC₅₀ - Lethal Concentration 50%

NOEC - No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

BCF - Bioconcentration factor (BCF)

IMDG - International Maritime Dangerous Goods

CMR - Carcinogens, mutagens or substances toxic to reproduction

PC-TWA - Time Weighted Average

IARC - International Agency for Research on Cancer

PNEC - Predicted No Effect Concentration

LD₅₀ - Lethal Dose 50%

EC₅₀ - Effective Concentration 50%

POW - Partition coefficient Octanol:Water

vPvB - Very Persistent, Very Bioaccumulative

ICAO/IATA - International Civil Aviation Organization/International Air

UN-The United Nations

NFPA-National Fire Protection Association

Transportation Association

ACGIH-American Conference of Governmental Industrial Hygienists

OECD-Organization for Economic Co-operation and Development

| Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.