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

1.1. Product identifier

Product name : Polyvinyl Acetate Emulsion

Trade name : **White Glue 4432912, 4435906, 4438101**

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 : Material bonding in home, office, hand-made, etc.

1.2.2. Uses advised against

Restrictions on use : No information available

1.3. Details of the supplier of the safety data sheet

FACTIS S.A.
Barri Morena, 4
17253 Mont-Ras, GIRONA (Spain)
T: +34 972 30 32 00
Mail/Web: info@milan.es – www.milan.es

1.4. Emergency telephone number

Emergency number : +34 972 30 32 00

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : No information available.

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

Contains no PBT/ vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The substance is not 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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Detailed formulation is submitted by the client and it is proprietary information.

- - Reportable ingredients (if applicable):

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
		II	
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	72-83	Not classified
Vinyl acetate polymer	(CAS-No.) 9003-20-7 (EC-No.) 618-358-7	7-10	Not classified
Polyvinyl alcohol	(CAS-No.) 9002-89-5 (EC-No.) 618-340-9	9-13	Not classified
Glycerin	(CAS-No.) 56-81-5 (EC-No.) 200-289-5	1-3	Not classified
2-Phenoxyethanol	(CAS-No.) 122-99-6 (EC-No.) 204-589-7 (EC Index-No.) 603-098-00-9	≤ 0.50	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Poly(hexamethylenediguanamide)hydrochloride	(CAS-No.) 32289-58-0 (EC-No.) 608-723-9 (EC Index-No.) 616-207-00-X	≤ 0.10	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation), H330 Eye Dam. 1, H318 Skin Sens. 1B, H317 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Total content	/	100.00	/

*** The exact percentage (concentration) of composition is withheld as a trade secret

*** Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If symptoms persist, call a physician.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If necessary seek medical advice.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : If necessary seek medical advice. Rinse eyes with water as a precaution.

First-aid measures after ingestion : Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Thermal decomposition may produce : Carbon oxides (CO, CO2). Other toxic gases.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Avoid direct discharge into drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Glycerin (56-81-5)	
Belgium - Occupational Exposure Limits	
Limit value (mg/m³)	10 mg/m³ (mist)
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m³)	10 mg/m³

Glycerin (56-81-5)	
Czech Republic - Occupational Exposure Limits	
Expoziční limity (PEL) (mg/m³)	10 mg/m³
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m³)	10 mg/m³
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m³)	20 mg/m³
France - Occupational Exposure Limits	
VME (mg/m³)	10 mg/m³ (aerosol)
Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Occupational exposure limit value (mg/m³)	200 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece - Occupational Exposure Limits	
OEL TWA (mg/m³)	10 mg/m³
Poland - Occupational Exposure Limits	
NDS (mg/m³)	10 mg/m³ (inhalable fraction)
Portugal - Occupational Exposure Limits	
OEL TWA (mg/m³)	10 mg/m³ (mist)
Slovakia - Occupational Exposure Limits	
NPHV (priemerná) (mg/m³)	11 mg/m³
Spain - Occupational Exposure Limits	
VLA-ED (mg/m³)	10 mg/m³ (mist)
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m³)	10 mg/m³ (mist)
WEL STEL (mg/m³)	30 mg/m³ (calculated-mist)
Switzerland - Occupational Exposure Limits	
MAK (mg/m³)	50 mg/m³ (inhalable dust)
KZGW (mg/m³)	100 mg/m³ (inhalable dust)

2-Phenoxyethanol (122-99-6)	
Austria - Occupational Exposure Limits	
MAK (mg/m³)	110 mg/m³
MAK (ppm)	20 ppm
MAK Short time value (mg/m³)	110 mg/m³
MAK Short time value (ppm)	20 ppm
OEL - Ceilings (mg/m³)	110 mg/m³
OEL - Ceilings (ppm)	20 ppm
OEL chemical category (AT)	Skin notation

2-Phenoxyethanol (122-99-6)	
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m³)	110 mg/m³
HTP-arvo (8h) (ppm)	20 ppm
HTP-arvo (15 min)	290 mg/m³
HTP-arvo (15 min) (ppm)	50 ppm
OEL chemical category (FI)	Potential for cutaneous absorption
Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Occupational exposure limit value (mg/m³)	5.7 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
TRGS 900 Occupational exposure limit value (ppm)	1 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Poland - Occupational Exposure Limits	
NDS (mg/m³)	230 mg/m³
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m³)	110 mg/m³
OEL TWA (ppm)	20 ppm
OEL STEL (mg/m³)	110 mg/m³
OEL STEL (ppm)	20 ppm
OEL chemical category (SL)	Potential for cutaneous absorption
Switzerland - Occupational Exposure Limits	
MAK (mg/m³)	110 mg/m³
MAK (ppm)	20 ppm
KZGW (mg/m³)	110 mg/m³
KZGW (ppm)	20 ppm

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

8.2.3. Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	White liquid
Colour	:	White
Odour	:	Odourless or specific odour
pH	:	4.00-7.00
Relative evaporation rate (butylacetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Critical temperature	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No flammable
Vapour pressure	:	No data available
Vapour pressure at 50 °C	:	No data available
Critical pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Relative density of saturated gas/air mixture	:	No data available
Density	:	0.95-1.10 g/cm3
Relative gas density	:	No data available
Solubility	:	Water: soluble or dispersible in water
Log Pow	:	Glycerin (56-81-5): -1.76 2-Phenoxyethanol (122-99-6):1.13 (at 25 °C)
Log Kow	:	No applicable
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	> 1500mpa.s
Explosive properties	:	No explosive properties.
Oxidising properties	:	No oxidising properties.
Explosive limits	:	No data available
Lower explosive limit (LEL)	:	No data available

Upper explosive limit (UEL) : No data available

Dust deflagration index : No data available

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

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Water (7732-18-5)	
LD50 oral rat	> 90 000 mg/kg

Polyvinyl alcohol (9002-89-5)	
LD50 oral rat	23854 mg/kg

Glycerin (56-81-5)	
LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 inhalation rat (mg/l)	> 570 mg/m³ (Exposure time: 1 h)

2-Phenoxyethanol (122-99-6)	
LD50 oral rat	1850 mg/kg
LD50 dermal rabbit	5 ml/kg

Skin corrosion/irritation : Not classified
pH: 4.00-7.00

Serious eye damage/irritation : Not classified
pH: 4.00-7.00

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Polyvinyl alcohol (9002-89-5)	
IARC group	3 - Not classifiable

Vinyl acetate polymer (9003-20-7)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture/article 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 %

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

Glycerin (56-81-5)	
LC50 fish 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

2-Phenoxyethanol (122-99-6)	
LC50 fish 1	337 - 352 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	> 500 mg/l (Species: Desmodesmus subspicatus)

12.2. Persistence and degradability

Polyvinyl Acetate Emulsion	
Persistence and degradability	No information available.

12.3. Bioaccumulative potential

Polyvinyl Acetate Emulsion	
Log Pow	No data available
Log Kow	No applicable
Bioaccumulative potential	No information available.

Glycerin (56-81-5)	
BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

2-Phenoxyethanol (122-99-6)	
Log Pow	1.13 (at 25 °C)

12.4. Mobility in soil

Polyvinyl Acetate Emulsion	
Ecology - soil	No information available.

12.5. Results of PBT and vPvB assessment

Polyvinyl Acetate Emulsion
This mixture does not meet the PBT criteria of REACH regulation, annex XIII
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Adverse effects on the environment caused by endocrine disrupting properties : The mixture/article 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 %.

Other adverse effects : No information available.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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 Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 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 the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)

Abbreviations and acronyms:	
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
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
SDS	Safety Data Sheet
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 : LOLI.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 2 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.*c*

END