

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

- **1.1 Product identifier**
- **Trade name: Universal Polymer Adhesive Tube**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
An adhesive designed for bonding all materials to gypsum, polystyrene, concrete, lime-cement underlays.
- **Application of the substance / the mixture** Adhesive
- **Uses advised against** not defined
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Selena S.A.
ul. Legnicka 48A, 54 -202 Wrocław, Poland
e-mail: kontakt@selena.com
Selena Contact Center 801 350 500
BDO: 000015312
- **Further information obtainable from:** msds@selena.pl
- **1.4 Emergency telephone number:** European emergency number: 112 (24h)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02

- **Signal word** Danger
- **Hazard statements**
H225 Highly flammable liquid and vapour.
- **Precautionary statements**
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P370+P380 In case of fire: Use foam for extinction, as foam shows a lack of persistence when in contact with polarised liquids such as ethanol.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to hazardous or special waste collection point.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· Determination of endocrine-disrupting properties

The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients**· 3.2 Mixtures****· Description:** Mixture of substances listed below with nonhazardous additions.**· Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-XXXX	Ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	<50.000%
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· Additional information: For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· After inhalation:** Supply fresh air; consult doctor in case of complaints.**· After skin contact:**

Generally the product does not irritate the skin.

Remove the adhesive completely with a dry cloth or paper towel before washing with water and detergent. If skin irritation occurs - provide dermatological assistance.

· After eye contact:

Remove contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

If symptoms persist, consult doctor.

· After swallowing:

Rinse out mouth with water.

Seek immediate medical advice.

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

No further relevant information available.

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

The rescue procedure is decided by the doctor after a thorough assessment of the victim's condition.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**· For safety reasons unsuitable extinguishing agents:** Water with full jet.**· 5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon dioxide (CO₂).

Carbon monoxide (CO).

Product during a fire will produce lampblack.

· 5.3 Advice for firefighters**· Protective equipment:** Wear self-contained respiratory protective device.**· Additional information** Cool endangered receptacles with water spray.**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Keep people at a distance and stay on the windward side.

Protect eyes and skin. Wear goggles and gloves. Avoid direct contact.

Ensure adequate ventilation.

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- Wear protective clothing.
- **6.2 Environmental precautions:** Do not allow to enter sewers / surface or ground water.
 - **6.3 Methods and material for containment and cleaning up:**
Method of cleaning and collection: in case of adhesive spillage, wipe, scrape or sand it off and collect in special containers. Store in accordance with local and national regulations.
 - **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
At work do not eat, drink or smoke.
Provide good ventilation.
Keep away from heat and direct sunlight.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool and dry place.
- **Information about storage in one common storage facility:** Do not store near sources of ignition.
- **Further information about storage conditions:**
Store at temperature from 0°C to 25°C.
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection• **8.1 Control parameters**• **Ingredients with limit values that require monitoring at the workplace:****CAS: 64-17-5 Ethanol**

OEL (Ireland) Short-term value: 1000 ppm

• **Regulatory information** OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work• **DNELs****CAS: 64-17-5 Ethanol**

Dermal DNEL 343 mg/kg/Tag (Workers)

Inhalative DNEL 950 mg/m3 (Workers)

• **PNECs****CAS: 64-17-5 Ethanol**

(freshwater) 0.96 mg/l (env)

(sea water) 0.79 mg/l (env)

(freshwater sediments) 3.6 mg/kg (Sedimentation)

(soil) 0.63 mg/kg (env)

• **Additional information:** The lists valid during the making were used as basis.• **8.2 Exposure controls**• **Appropriate engineering controls**

Ensure adequate ventilation, especially in confined spaces.

No further data; see section 7.

• **Individual protection measures, such as personal protective equipment**• **General protective and hygienic measures:** Wash hands before breaks and at the end of work.• **Respiratory protection:** Not required.

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· Hand protection


Protective gloves

EN 374

The glove material has to be impermeable and resistant to the product / the substance / the preparation. 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· 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/face protection


Safety glasses

EN 166

· Body protection: Protective work clothing.
SECTION 9: Physical and chemical properties
· 9.1 Information on basic physical and chemical properties
· General Information
· Physical state

Liquid

· Colour:

Colorless

· Odour:

Alcohol-like

· Odour threshold:

Not determined

· Melting point/freezing point:

-114.5 °C

· Boiling point or initial boiling point and boiling range

78.3 °C

· Flammability

Highly flammable liquid and vapour.

· Lower and upper explosion limit
· Lower:

Not determined

· Upper:

Not determined

· Flash point:

19 °C

· Auto-ignition temperature:

423 °C

· Decomposition temperature:

Not determined

· pH

4-6

· Viscosity:
· Kinematic viscosity

Not determined

· Dynamic at 25 °C:

10000 – 20000 mPas

· Solubility
· water:

Insoluble

· Partition coefficient n-octanol/water (log value)

Not determined

· Vapour pressure at 20 °C:

6743 Pa

· Vapour pressure at 50 °C:

26.9 kPa

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<ul style="list-style-type: none"> · Density and/or relative density · Density: · Relative density · Vapour density · Relative gas density · Particle characteristics 	920-980 kg/m ³ Not determined Not determined Not determined. Unspecified.
<ul style="list-style-type: none"> · 9.2 Other information · Appearance: · Form: · Important information on protection of health and environment, and on safety. · Ignition temperature: · Explosive properties: · Solvent content: · Organic solvents: · VOC (EC) · Change in condition · Evaporation rate 	Liquid Viscous Product is not selfigniting Not determined <50.0 % <50.00 % Not determined
<ul style="list-style-type: none"> · Information with regard to physical hazard classes · Explosives · Flammable gases · Aerosols · Oxidising gases · Gases under pressure · Flammable liquids · Flammable solids · Self-reactive substances and mixtures · Pyrophoric liquids · Pyrophoric solids · Self-heating substances and mixtures · Substances and mixtures, which emit flammable gases in contact with water · Oxidising liquids · Oxidising solids · Organic peroxides · Corrosive to metals · Desensitised explosives 	Void Void Void Void Void Void Highly flammable liquid and vapour. Void Void Void Void Void Void Void Void Void Void Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Reacts with strong oxidisers, nitric acid, perchlorates (silver, potassium, chlorine, uranyl), uranium hexafluoride, chromium trioxide, hydrogen peroxide, potassium dioxide, sodium peroxide, potassium, acetyl chloride.
- **10.4 Conditions to avoid**
Avoid direct sunlight, sources of heat and fire.
Handle away from heat, ignition sources, sparks, ignition points, flames, static electricity.

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- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
 Toxic vapours and fumes.
 No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

CAS: 64-17-5 Ethanol

Oral	LD50	7.060 mg/kg (rat)
Inhalative	LD50	38400 mg/m ³ (10h) (rat)
Irritation of skin	LD50	>20 000 mg/kg (rabbit)

- **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 sensitisation** 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**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Based on available data, the classification criteria are not met.
- **12.2 Persistence and degradability**
 The inhibitory concentration for anaerobic degradation processes during sludge methane digestion is : for ethanol 1500 mg/dm³
- **12.3 Bioaccumulative potential** Does not accumulate in organisms.
- **12.4 Mobility in soil** It is easily absorbed into the soil.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
 The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.
 Dispose of in a safe manner in accordance with local / national regulations.

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Do not allow to enter surface or ground water.

Assigning a code from the waste catalogue depends on the sector, in which the user operates, as well as on arrangements made between the waste generator and a competent environment protection department.

The resulting waste should be covered with absorbent material e.g. sand, diatomaceous earth, sawdust - collect in closed containers and dispose of in accordance with local and national regulations. Dispose of contaminated packaging in accordance with applicable regulations.

European waste catalogue

15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP3	Flammable

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information
14.1 UN number or ID number
ADR, IMDG, IATA UN1133

14.2 UN proper shipping name
ADR 1133 ADHESIVES

IMDG, IATA ADHESIVES

14.3 Transport hazard class(es)
ADR, IMDG, IATA

Class 3 Flammable liquids.

Label 3

14.4 Packing group
ADR, IMDG, IATA II

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Warning: Flammable liquids.

Hazard identification number (Kemler code): 33

EMS Number: F-E,S-D

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information:
ADR
Transport category 2

Tunnel restriction code D/E

UN "Model Regulation": UN 1133 ADHESIVES, 3, II

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

1907/2006/CE Regulation, REACH

1272/2008/CE Regulation, CLP

2020/878/UE Regulation

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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.
- **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
None of the ingredients is listed.
- **REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone- depleting potential)**
- **Other regulations, limitations and prohibitive regulations** No restrictions
- **Substances of very high concern (SVHC) according to REACH, Article 57**
None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
- **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- *** Data compared to the previous version altered.**
Points marked with * have changed from the previous version of the card