



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 30.03.2017

Version number 3

Revision: 14.03.2017

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

1.1 Product identifier

Trade name: **Edelplast Universal Adhesive**

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

No further relevant information available.

Application of the substance / the mixture Adhesives

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Zentralverband Europäischer Lederhändler eG
Porschestraße 14
D-44809 Bochum
+49-234-3381-0
+49-234-3381-200
info@zel.eu · www.zel.eu

Informing department:

Mr. Christof Klein
+49-234-3381-101 (Mo. - Fr. 07:00-16:00 h)
christof.klein@zel.eu

1.4 Emergency telephone number: **+49 172 / 5668730**

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2	H225 Highly flammable liquid and vapour.
Eye Irrit. 2	H319 Causes serious eye irritation.
STOT SE 3	H336 May cause drowsiness or dizziness.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

Additional information: The classification resulted from the calculation method of CLP-regulation.

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 GHS07

Signal word Danger



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Hazard-determining components of labelling:

acetone
ethyl acetate
butanone
hydrocarbons, C6-C7

Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take action to prevent static discharges.
P261 Avoid breathing mist/vapours/spray.
P271 Use only outdoors or in well-ventilated area.
P273 Avoid release to the environment.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

In the event of a large-scale use of the product, ignition sources in the immediate proximity and in low-lying areas, such as welding equipment, bells, heating elements, refrigerators, storage heaters etc. should be switched off! Erect warning signs warning of the hazardous risk of explosive atmosphere!

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

3. Composition/information on ingredients

3.2 Chemical characterization: Mixtures

Description: Mixture of several substances

Dangerous components:

CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	50-75 %
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-xxxx	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	< 10 %
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-xxxx	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	< 10 %



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EC number: 921-024-6 Reg.nr.: 01-2119475514-35-xxxx	hydrocarbons, C6-C7	< 5.0%
	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	
EC number: 927-510-4 Reg.nr.: 01-2119475515-33-xxxx	hydrocarbons, C7	< 5.0%
	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	

SVHC Doesn't contain SVHC-substances

Additional information

EC-number 921-024-6: Outside of Europe this substance is assigned CAS-Nr. 64742-49-0 (naphtha [petroleum], hydrotreated light);

Mixture of isoalkanes, n-alkanes, cyclenes (Content of benzene [CAS-Nr.: 71-43-2] < 0,1%, cyclohexane [CAS-Nr.: 110-82-7] < 25%, n-hexane [110-54-3] < 5%)

EC-number 927-510-4: Outside of Europe this substance is assigned CAS-Nr. 64742-49-0 (naphtha [petroleum], hydrotreated light);

Mixture of isoalkanes, n-alkanes, cyclenes (Content of benzene [CAS-Nr.: 71-43-2] < 0,1%, cyclohexane [CAS-Nr.: 110-82-7] < 25%, n-hexane [110-54-3] < 5%)

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

4. First aid measures

4.1 Description of first aid measures

After inhalation

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness bring patient into a stable side position for transport.

After skin contact

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing

Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

Water spray

Alcohol-resistant foam



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Fire-extinguishing powder

Carbon dioxide

For safety reasons unsuitable extinguishing agents

Water with full jet.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep away from ignition sources

Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

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.

7. Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from foodstuffs.



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Further information about storage conditions:

Protect from frost.
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.
Store in dry conditions.

Storage class (according german VCI-concept): 3

7.3 Specific end use(s)

No further relevant information available.

8. Exposure controls/personal protection

Additional information about design of technical systems:

No further data; see item 7.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:	
67-64-1 acetone	
WEL (Great Britain)	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
IOELV (European Union)	Long-term value: 1210 mg/m ³ , 500 ppm
141-78-6 ethyl acetate	
WEL (Great Britain)	Short-term value: 400 ppm Long-term value: 200 ppm
78-93-3 butanone	
WEL (Great Britain)	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV
IOELV (European Union)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm
DNELs	
hydrocarbons, C6-C7	
Inhalative	worker (long-term exposure/systemic) 3.25 mg/m ³
hydrocarbons, C7	
Inhalative	worker (long-term exposure/systemic) 3.25 mg/m ³
Ingredients with biological limit values:	
78-93-3 butanone	
BMGV (Great Britain)	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one

Additional information:

The homogeneous mixing of this product is guaranteed through continuous physical tests. What were formerly dusty raw materials are completely integrated into the liquid/pasty mass. Potential



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threshold limit values (maximum concentration values at the workplace) of solid substances are therefore not named, because the risk of inhalation of these substances (during handling of this mixture) is not anymore given.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of the work.

Immediately remove all soiled and contaminated clothing

Breathing equipment:

Not required with good ventilation and/or adequate extractor facilities

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Short term filter device:

Filter AX (DIN EN 371 [DIN EN 141])

Protection of hands:

Direct contact with the chemical preparation must be avoided by organizational measures. Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work.

Compliance with the stated penetration time (starts with the first product contact) must be ensured!

The gloves need to be disposed of after the penetration time and new gloves used!

For the permanent contact gloves made of the following materials are suitable:

If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the "Barrier 02-100" underglove from Ansell (penetration time 480 min).

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Butyl rubber (0.7mm - penetration time 15 min)

As protection from splashes gloves made of the following materials are suitable:

Recommended for protection from splashes: disposable nitrile gloves (minimum thickness 0.12 mm) with long cuffs. After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.

Eye protection: Safety glasses

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Opaque
Odour:	Solvent-like



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Odour threshold:	Not determined.
Change in condition	
Initial Boiling point and boiling range:	56 °C
Flash point:	-17 °C
Ignition temperature:	> 200 °C
Explosion limits:	
Lower:	0.6 Vol %
Upper:	13.0 Vol %
Vapour pressure at 20 °C:	240 hPa
Specific gravity at 20 °C:	0.86 g/cm ³
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Partly soluble
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
dynamic at 20 °C:	2700 mPas (Brookfield)
Solvent content:	
Organic solvents:	79.8 %
VOC (EU):	686.3 g/l
VOC (EU):	79.80 %
VOC (CH):	79.80 %
9.2 Other information	No further relevant information available.

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 oxidizing agents

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

In case of fire, the following substance(s) may occur:

Nitrogen oxides

Isocyanate

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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



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Primary irritant effect:

Skin corrosion/irritation

Prolonged or repeated contact with the skin may cause skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

May cause drowsiness or dizziness.

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.

12. Ecological information

12.1 Toxicity

Aquatic toxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.



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13. Disposal considerations

13.1 Waste treatment methods

Recommendation Disposal in accordance with official regulations

EWC-Code(s):

To be treated as industrial waste: do not dispose of in or on soil, in watercourses or bodies, or through a sewage system. These EU refuse code numbers are recommendations for waste accruing through the use of adhesives and sealants. Any waste produced from organic solvents or other dangerous substances listed under item 3 of this safety datasheet is itself classified as dangerous (*).

Waste accruing during application:

08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

08 04 10 waste adhesives and sealants other than those mentioned in 080409

Waste accruing during cleaning:

08 04 11* adhesive and sealant sludges containing organic solvents or other dangerous substances

08 04 12 adhesive and sealant sludges other than those mentioned in 080411

Soiled waste packaging:

15 01 10* packaging containing residues of or contaminated by dangerous substances.

Clean waste packaging:

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

15 01 04 metallic packaging

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

*14. Transport information

14.1 UN-Number

ADR/RID/ADN, IMDG, IATA UN1133

14.2 UN proper shipping name

ADR/RID/ADN 1133 ADHESIVES

IMDG, IATA ADHESIVES

14.3 Transport hazard class(es)

ADR/RID/ADN, IMDG, IATA



Class 3 Flammable liquids.
Label 3



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14.4 Packing group
ADR/RID/ADN, IMDG, IATA

II

14.5 Environmental hazards:
Marine pollutant:

No

14.6 Special precautions for user
Danger code (Kemler):
EMS Number:
Stowage Category

Warning: Flammable liquids.
33
F-E,S-D
B

**14.7 Transport in bulk according to Annex II
of MARPOL73/78 and the IBC Code**

Not applicable.

Transport/Additional information:
ADR/RID/ADN

Limited quantities (LQ)
Excepted quantities (EQ)

5L
Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

Transport category
Tunnel restriction code
Remarks:

2
D/E
(Packing group III, if content of packaging ≤ 450l,
according 2.2.3.1.4 ADR)

IMDG

Limited quantities (LQ)
Excepted quantities (EQ)

5L
Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
(Packing group III, if content of packaging ≤ 30l,
according 2.3.2.2 IMDG)

Remarks:

IATA

Remarks:

(Packing group III, if content of packaging ≤ 30l,
according 3.3.3.1.1 IATA)

UN "Model Regulation":

UN1133, ADHESIVES, 3, II

15. Regulatory information

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

Directive 2012/18/EU

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

National regulations



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Information about limitation of use:

Employment restrictions concerning young persons must be observed.

Disturbance regulations:

Critical quantity values according to the regulations on accidents should be adhered to.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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.

For industrial use only.

Legend of H- and R-phrases, concerning the in chapter 3 mentioned substances (marking of product please see chapter 2)

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Department issuing SDS:

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport 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 Harmonized 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)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2



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STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * **Data compared to the previous version altered.**