

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

Printing date 24.10.2023

Version number 2 (replaces version 1)

Revision: 24.10.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**· **Trade name:** **ELBE Thermo Glue**· **UFI:** 1190-A07T-M003-93U0**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:**

ELBTAL PLASTICS GmbH & Co. KG

Grenzstraße 9

01640 Coswig

Tel.: +49 (0) 3523 53 30 0

Fax.: +49 (0) 3523 53 30 222

E-Mail: info@elbtal-plastics.de

Internet: www.elbtal-plastics.de

· **Informing department:** Tel.: +49 (0) 3523 53 30 0**1.4 Emergency telephone number:**

Gift-Informationszentrum Nord, Göttingen

Poison Information Center, Göttingen

Tel.: +49 (0)551 19240

(German and English only)

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.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

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

- **Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **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.

P243 Take action to prevent static discharges.

P280 Wear protective gloves / eye protection / face protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

- **Labelling of packages where the contents do not exceed 125 ml**

- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**

acetone

- **Hazard statements**

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P102 Keep out of reach of children.

P280 Wear protective gloves / eye protection / face protection.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **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 the substances listed below including additives not requiring identification.

- **Dangerous components:**

| | | |
|-----------------------------|---|-----------|
| CAS: 67-64-1 | acetone | 50 - 100% |
| EINECS: 200-662-2 | ☞ Flam. Liq. 2, H225; ☞ Eye Irrit. 2, H319; STOT SE | |
| Index number: 606-001-00-8 | 3, H336, EUH066 | |
| Reg.nr.: 01-2119471330-49-X | | |

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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**
 - **General information** Remove contaminated clothing immediately.
 - **After inhalation**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness bring patient into stable side position for transport.
 - **After skin contact**
Wash intensively with water and soap. Use protective skin ointment.
If skin irritation continues, consult a doctor.
 - **After eye contact**
Keep eye lids open and rinse them with ample amounts of clean running water for at least 15 minutes.
Seek medical treatment.
 - **After swallowing** Avoid vomiting. Don't give anything to drink. Immediately consult physician.
- **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.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents**
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
 - **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Can form explosive gas-air mixtures.
During incomplete combustion carbon monoxide can be formed.
- **5.3 Advice for firefighters**
 - **Protective equipment:** Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Keep away from sources of ignition and care for sufficient ventilation due to the content of organic solvents.
Do not inhale vapours.
- **6.2 Environmental precautions:**
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **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 information on disposal.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Vapours are heavier than air and may travel long distances along ground, ignite and flash back to source.

· 7.2 Conditions for safe storage, including any incompatibilities

· **Storage**

· **Requirements to be met by storerooms and containers:**

Store cool and dry in well sealed containers.

Ensure sufficient ventilation.

· **Information about storage in one common storage facility:**

Keep away from food, drink and animal feeding stuffs.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed containers.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Components with limit values that require monitoring at the workplace:**

WEL: workplace exposure limit

OEL: Occupational Exposure Limit

IOELV: Indicative Occupational Exposure Limit Values, workplace threshold value of the European Union

67-64-1 acetone

| | |
|------------------------|--|
| IOELV (European Union) | Long-term value: 1210 mg/m ³ , 500 ppm |
| WEL (Great Britain) | Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm |

· **DNELs**

67-64-1 acetone

| | | |
|------------|--------------------------------------|---------------------------------|
| Oral | DNEL (consumer, long-term, systemic) | 62 mg/kg bw/day (human) |
| Dermal | DNEL (worker, long-term, systemic) | 186 mg/kg bw/day (human) |
| | DNEL (consumer, long-term, systemic) | 62 mg/kg bw/day (human) |
| Inhalative | DNEL (worker, long-term, systemic) | 1,210 mg/m ³ (human) |
| | DNEL (consumer, long-term, systemic) | 200 mg/m ³ (human) |
| | DNEL (worker, short-term, local) | 2,420 mg/m ³ (human) |

· **PNECs**

67-64-1 acetone

| | |
|-----------------------------------|--------------------------|
| PNEC aqua (freshwater) | 10.6 mg/L (.) |
| PNEC aqua (marine water) | 1.06 mg/L (.) |
| PNEC STP - Sewage Treatment Plant | 100 mg/L (.) |
| PNEC soil | 29.5 mg/kg soil dw (.) |
| PNEC sediment (freshwater) | 30.4 mg/kg sedim. dw (.) |
| PNEC sediment (marine water) | 3.04 mg/kg sedim. dw (.) |

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| | |
|-----------------------------------|-------------|
| PNEC aqua (intermittent releases) | 21 mg/L (.) |
|-----------------------------------|-------------|

- **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Take off all contaminated clothing immediately.

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

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· Hand protection

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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.

Butyl rubber, BR

· Penetration time of glove material

In case of a layer thickness of 0.7 mm the penetration time is longer than 240 minutes.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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

Butyl rubber, BR

· Eye/face protection



Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Fluid

· Colour:

Colourless

· Odour:

Acetone-like

· Melting point/freezing point:

Not determined

· Boiling point or initial boiling point and boiling range

ca. 56 °C

· Flash point:

-20 - -17 °C

· SADT

· Viscosity:

· Kinematic viscosity

Not determined.

· dynamic:

Not determined.

· Solubility

· Water:

Insoluble

· Vapour pressure:

Not determined.

· Density and/or relative density

· Density

Not determined

· Relative density

Not determined.

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· 9.2 Other information**· Appearance:****· Form:**

Fluid

· Important information on protection of health and environment, and on safety.**· Explosive properties:**

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· Information with regard to physical hazard classes**· Explosives**

Void

· Flammable gases

Void

· Aerosols

Void

· Oxidising gases

Void

· Gases under pressure

Void

· Flammable liquids

Highly flammable liquid and vapour.

· Flammable solids

Void

· Self-reactive substances and mixtures

Void

· Pyrophoric liquids

Void

· Pyrophoric solids

Void

· Self-heating substances and mixtures

Void

· Substances and mixtures, which emit flammable gases in contact with water

Void

· Oxidising liquids

Void

· Oxidising solids

Void

· Organic peroxides

Void

· Corrosive to metals

Void

· Desensitised explosives

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 No dangerous reactions known**· 10.4 Conditions to avoid** No further relevant information available.**· 10.5 Incompatible materials:** No further relevant information available.**· 10.6 Hazardous decomposition products:**

None in case of intended use and storage in compliance with instructions.

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 that are relevant for classification:****67-64-1 acetone**

| | | |
|------------|------|--|
| Oral | LD50 | 5,800 mg/kg (rat) |
| Dermal | LD50 | > 7,426 mg/kg (guinea pig) (21 CFR 191.10) |
| | | > 7,426 mg/kg (rabbit) (21 CFR 191.10) |
| Inhalative | LC50 | 132 mg/l/3h (rat) |

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- **Skin corrosion/irritation**
Longer or repeated contact with the product reduces the natural readipogenesis of the skin and results in the desiccation of the skin. That product can be absorbed via the skin.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **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**
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.
- **Additional toxicological information:**

- **Repeated dose toxicity**

| |
|--|
| 67-64-1 acetone |
| Oral NOAEL (90d) 3,100 mg/kg bw/day (rat) (OECD 408) |

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

| |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

| |
|--|
| 67-64-1 acetone |
| EC50 > 10,000 mg/l/24h (Daphnia magna) |
| LC50 (dynamic) 8,120 mg/l/96h (Pimephales promelas) (OECD 203) |

- **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.
- **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:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

The waste code numbers mentioned are recommendations based on the probable use of the product.

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· **European waste catalogue**

| | |
|-----------|---|
| 08 00 00 | WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS |
| 08 04 00 | wastes from MFSU of adhesives and sealants (including waterproofing products) |
| 08 04 09* | waste adhesives and sealants containing organic solvents or other hazardous substances |
| HP3 | Flammable |
| HP4 | Irritant - skin irritation and eye damage |
| HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity |

· **Uncleaned packagings:**

· **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Packaging can be reused or recycled after cleaning.

Cleaned packing materials have to be admitted to local recycling circuits.

SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR/RID, IMDG, IATA** UN1133

· **14.2 UN proper shipping name**

· **ADR/RID** 1133 ADHESIVES, special provision 640C
 · **IMDG, IATA** ADHESIVES

· **14.3 Transport hazard class(es)**

· **ADR/RID**



· **Class** 3 (F1) Flammable liquids.
 · **Label** 3

· **IMDG, IATA**



· **Class** 3 Flammable liquids.
 · **Label** 3

· **14.4 Packing group**

· **ADR/RID, IMDG, IATA** II

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user**

Warning: Flammable liquids.

· **Kemler Number:** 33
 · **EMS Number:** F-E,S-D
 · **Stowage Category** B

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

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· Transport/Additional information:**· ADR/RID**

- **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**

2

- **Tunnel restriction code**

D/E

· 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

- **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**

· 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

67-64-1 acetone

· Regulation (EC) No 273/2004 on drug precursors

67-64-1 acetone

3

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

67-64-1 acetone

3

· National regulations**· Water hazard class:**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

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- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

- **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- EUH066 Repeated exposure may cause skin dryness or cracking.

- **Version number of previous version: 1**

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

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