

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 03/13/2019

Reviewed on 03/13/2019

**1 Identification**

- **Product identifier**
- **Trade name** **tesa Alleskleber / All purpose glue**
- **Article number:** tesa 57007, 57012, 57013, 57015
- **Application of the substance / the mixture** Adhesives
- **Manufacturer/Supplier:** tesa SE Tel.: +49-40-88899-101  
Hugo-Kirchberg-Str. 1  
D-22848 Norderstedt  
Germany
- **Informing department:** tesa SE, quality management/environment/occupational safety, Dr. Dirk Lamm  
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or +49-40-88899-9111

**2 Hazard(s) identification**

· **Classification of the substance or mixture**



GHS02 Flame

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



GHS08 Health hazard

Carc. 1A H350 May cause cancer.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.

· **Label elements**

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word**

Danger

· **Hazard-determining components of labeling:**

ethanol  
acetone

· **Hazard statements**

Highly flammable liquid and vapor.  
Causes serious eye irritation.  
May cause cancer.  
May cause drowsiness or dizziness.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Use explosion-proof electrical/ventilating/lighting/equipment.

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If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Store locked up.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.





- Classification system
- HMIS ratings (scale 0-4)

HEALTH	2	Health = *2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

- Other hazards: The preparation contains no eluatable organic halogene compounds, which increases the AOX values
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

**\* 3 Composition/information on ingredients**

- Chemical characterization: Mixtures
- Description: Solution of Polyvinylacetate in:

· Dangerous components:			
67-64-1	acetone	 Flam. Liq. 2, H225  Eye Irrit. 2A, H319; STOT SE 3, H336	<50%
64-17-5	ethanol	 Flam. Liq. 2, H225  Carc. 1A, H350	<25%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

**\* 4 First-aid measures**

- Description of first aid measures
- General information: Instantly remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult phsician in case of symptoms.
- After skin contact: Instantly wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- After swallowing: In case of persistent symptoms consult doctor.
- Information for doctor
- Most important symptoms and effects, both acute and delayed: Dazed  
May cause drowsiness.
- Danger: Condition may deteriorate with alcohol consumption.
- Indication of any immediate medical attention and special treatment needed: No further relevant information available.

**\* 5 Fire-fighting measures**

- Extinguishing media
- Suitable extinguishing agents: CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- Special hazards arising from the substance or mixture: Can be released in case of fire  
Nitrogen oxide (NOx)  
Carbon monoxide (CO)  
Under certain fire conditions, traces of other toxic gases cannot be excluded.

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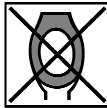
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- **Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.  
Do not inhale explosion gases or combustion gases.

**\* 6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**
  - Ensure adequate ventilation
  - Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
  -  Prevent material from reaching sewage system, holes and cellars.
  - Dilute with much water.
- **Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Dispose of contaminated material as waste according to item 13.
  - Ensure adequate ventilation.
- **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.

**\* 7 Handling and storage**

- **Handling**
- **Precautions for safe handling**
  - Ensure that suitable extractors are available on processing machines
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
  -  Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
  - Handle only outside or in explosion protected rooms.
  - Fumes can combine with air to form an explosive mixture.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
  - Store in cool location.
- **Information about storage in one common storage facility:**
  - void
  - void
- **Further information about storage conditions:**
  - Keep container tightly sealed.
  - Store in cool, dry conditions in well sealed containers.
  - Store only outside or in explosion proof rooms.
  - Storing flammable liquids the National regulations have to be fulfilled!
- **Storage class**
  - 3 (flammable liquids)
- **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.

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· **Control parameters**

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

<b>67-64-1 acetone</b>	
PEL	Long-term value: 2400 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 590 mg/m <sup>3</sup> , 250 ppm
TLV	Short-term value: 1187 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 594 mg/m <sup>3</sup> , 250 ppm
	BEI
<b>64-17-5 ethanol</b>	
PEL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV	Short-term value: 1880 mg/m <sup>3</sup> , 1000 ppm

· **Ingredients with biological limit values:**

<b>67-64-1 acetone</b>	
BEI	50 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Acetone (nonspecific)

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

· **Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes.

· **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.

· **Protection of hands:**



Not required.

Protective gloves.

· **Material of gloves**

· **Penetration time of glove material**

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

· **Eye protection:**

use solvent stable gloves.

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

Safety glasses recommended during refilling.



Safety glasses

\* **9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

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<b>Colour:</b>	Transparent
<b>· Smell:</b>	Acetone-like
<b>· Odor threshold:</b>	Not determined.
<b>· pH-value:</b>	Not determined.
<b>· Change in condition</b>	
<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	55.8-56.6 °C (132.4-133.9 °F)
<b>· Flash point:</b>	-19 °C (-2.2 °F)
<b>· Inflammability (solid, gaseous)</b>	Not applicable.
<b>· Ignition temperature:</b>	425 °C (797 °F)
<b>· Decomposition temperature:</b>	Not determined.
<b>· Self-inflammability:</b>	Product is not selfigniting.
<b>· Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
<b>· Critical values for explosion:</b>	
<b>Lower:</b>	2.6 Vol %
<b>Upper:</b>	15 Vol %
<b>· Steam pressure at 20 °C (68 °F):</b>	247 hPa (185.3 mm Hg)
<b>· Density at 20 °C (68 °F)</b>	0.80556 g/cm <sup>3</sup> (6.7224 lbs/gal)
<b>· Relative density</b>	Not determined.
<b>· Vapor density</b>	Not determined.
<b>· Evaporation rate</b>	Not determined.
<b>· Solubility in / Miscibility with Water:</b>	Soluble
<b>· Partition coefficient (n-octanol/water):</b>	Not determined.
<b>· Viscosity:</b>	
<b>dynamic at 20 °C (68 °F):</b>	6,000 mPas
<b>kinematic:</b>	Not determined.
<b>· Solvent content:</b>	
<b>Organic solvents:</b>	62.5 %
<b>Water:</b>	5.0 %
<b>· Solids content:</b>	32.5 %
<b>· Other information</b>	No further relevant information available.

### 10 Stability and reactivity

<b>· Reactivity</b>	No further relevant information available.
<b>· Chemical stability</b>	
<b>· Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
<b>· Possibility of hazardous reactions</b>	No dangerous reactions known
<b>· Conditions to avoid</b>	No further relevant information available.
<b>· Incompatible materials:</b>	No further relevant information available.
<b>· Hazardous decomposition products:</b>	No dangerous decomposition products known

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**\* 11 Toxicological information**

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:**

No irritant effect.

· **on the eye:**

Irritant effect.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**\* 12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

No further relevant information available.

· **Persistence and degradability**

No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential**

No further relevant information available.

· **Mobility in soil**

No further relevant information available.

· **Additional ecological information:**

· **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**

free of heavy metals (Pb, Cd, Hg, Cr6+)

Free of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) according to RoHS Directive.

· **General notes:**

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

Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Results of PBT and vPvB assessment**

· **PBT:**

Not applicable.

· **vPvB:**

Not applicable.

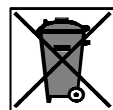
· **Other adverse effects**

No further relevant information available.

**\* 13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation**



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

Must be specially treated under adherence to official regulations.

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

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· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

**\*14 Transport information**

· <b>UN-Number</b> · <b>DOT, ADR, IMDG, IATA</b>	UN1133
· <b>UN proper shipping name</b> · <b>DOT</b> · <b>ADR</b> · <b>IMDG, IATA</b>	Adhesives ADHESIVES, (vapour pressure at 50°C not more than 110 kPa) ADHESIVES
· <b>Transport hazard class(es)</b> · <b>DOT</b>	
	
· <b>Class</b> · <b>Label</b>	3 Inflammable liquids 3
· <b>ADR</b>	
	
· <b>Class</b> · <b>Label</b>	3 (F1) Inflammable liquids 3
· <b>IMDG, IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Inflammable liquids 3
· <b>Packing group</b> · <b>DOT, ADR, IMDG, IATA</b>	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b> · <b>Kemler Number:</b> · <b>EMS Number:</b> · <b>Stowage Category</b>	Warning: Inflammable liquids 33 F-E,S-D B
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b> · <b>DOT</b> · <b>Quantity limitations</b>	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L

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<ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	<p>UN 1133 ADHESIVES (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II</p>

**\*15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Cancerogenity categories

· <b>TLV (Threshold Limit Value established by ACGIH)</b>		
67-64-1	acetone	A4
64-17-5	ethanol	A3
· <b>MAK (German Maximum Workplace Concentration)</b>		
64-17-5	ethanol	5
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
None of the ingredients is listed.		

- **National regulations**
- **Additional classification according to Decree on Hazardous Materials, Annex II:** Carcinogenic hazardous material group III (dangerous)
- **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
- **Decree to be applied in case of technical fault:** Critical quantity values according to the regulations on accidents should be adhered to.
- **Technical instructions (air):**

Class	Share in %
III	62.7
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**

· <b>TSCA</b>		
67-64-1	acetone	
64-17-5	ethanol	
7732-18-5	water, distilled, conductivity or of similar purity	
· <b>SARA Section 313</b>		
-		
· <b>SARA section 355</b>		
-		
· <b>Proposition 65 - Cancer</b>		
-		

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

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### \* 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.

· **Department issuing data specification sheet:**

tesa SE, Quality management/environment/safety

· **Contact:**

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· **Date of preparation / last revision**

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· **Abbreviations and acronyms:**

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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety &amp; Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 2: Flammable liquids – Category 2

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

Carc. 1A: Carcinogenicity – Category 1A

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

· **\* Data compared to the previous version altered.**