

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

Printing date 13.03.2019

Version number 195

Revision: 13.03.2019

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

· **1.1 Product identifier**

· **Trade name** **tesa 60020 60021 Spray Glue PERMANENT**

· **Article number:** tesa 60020 (300ml) + 60021 (500ml)

· **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 Manufacturer/Supplier:**

tesa SE
Hugo-Kirchberg-Strasse 1
D-22848 Norderstedt
Germany

Tel.: +49-40-88899-101

· **Informing department:**

tesa SE, quality management/environment/occupational safety, Dr. Dirk Lamm
Dirk.Lamm@tesa.com, Tel.: +49-40-88899-2977

· **1.4 Emergency telephone number:**

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Security Center Phone +49-40-88899-0
or +49-40-88899-9111

Deutschland:

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SECTION 2: Hazards identification

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



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

 Skin Irrit. 2 H315 Causes skin irritation.
 STOT SE 3 H336 May cause drowsiness or dizziness.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02



GHS07



GHS09

- Signal word
- Hazard-determining components of labelling:
- Hazard statements

Danger

64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

The preparation contains no eluvalable organic halogene compounds, which increases the AOX values

- Precautionary statements
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT:
- vPvB:

Not classified
 Not classified

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Dispersion of natural rubber and resins in the following substances:

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- Dangerous components:		
EINECS: 265-151-9 Reg.nr.: 01-2119486291-36-xxxx	64742-49-0 Naphtha (petroleum), hydrotreated light (Note P) ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	<50%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	propane liquefied ⚠ Flam. Gas 1, H220 Press. Gas (Comp.), H280	<25%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx	isobutane ⚠ Flam. Gas 1, H220 Press. Gas (Comp.), H280	<25%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	butane, pure ⚠ Flam. Gas 1, H220 ⚠ Acute Tox. 3, H331 Press. Gas (Comp.), H280	<10%

- **SVHC** Free of any SVHC substances or < 0.1 %
- **Regulation (EC) No 648/2004 on detergents / Labelling for contents** not applicable
- **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** Instantly remove any clothing soiled by the product.
- **After inhalation** In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eyes for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult physician.
- **4.2 Most important symptoms and effects, both acute and delayed** Dazedness
May cause drowsiness.
- **4.3 Indication of any immediate medical attention and special treatment needed** If swallowed, gastric irrigation with added, activated carbon.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture** Can be released in case of fire:
Nitrogen oxide (NO_x)
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.
- **Additional information** Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.

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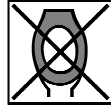
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· **6.2 Environmental precautions:**



Prevent product from reaching sewage system or water bodies.

Inform responsible authorities in case of spilling into water or sewage system.

· **6.3 Methods and material for containment and cleaning up:**

Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

· **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.

*** SECTION 7: Handling and storage**

· **7.1 Precautions for safe handling**

Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.

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

Do not spray on flames or red-hot objects.



Keep ignition sources away - Do not smoke.

Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage**

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

Observe official regulations on storing packagings with pressurized containers. Storage location and storage conditions must comply with the rules for handling and storage of substances and preparations of the WGK 3. Any site-specific regulatory requirements must be fulfilled.

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

Not required.

· **Further information about storage conditions:**

Keep container tightly sealed.

· **Storage class**

2B pressurized-gas packages

· **7.3 Specific end use(s)**

No further relevant information available.

*** SECTION 8: Exposure controls/personal protection**

· **Additional information about design of technical systems:**

No further data; see item 7.

· **8.1 Control parameters**

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

106-97-8 butane, pure

WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1,3-diene)
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· **Additional information:**

The lists that were valid during the compilation were used as basis.

· **8.2 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.

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- **Breathing equipment:** Instantly remove any contaminated garments.
Wash hands before breaks and at the end of the work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
Use breathing filter A2
 In case of short term exposure use respiratory protection. In case of intensive or longer exposure use respiratory protection equipment independent from ambient air.
- **Protection of hands:**
 Protective gloves.
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** use solvent stable gloves.
- **Penetration time of glove material** The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
 Safety glasses
- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
· Form:	Aerosol
· Colour:	Light yellow
· Smell:	Solvent-like
· Odour threshold:	Not determined.
· pH-value: Not determined.	
· Change in condition	
· Melting point/freezing point:	Not determined
· Initial boiling point and boiling range:	-44 °C (Propan)
· Flash point:	<-19 °C
· Inflammability (solid, gaseous)	Not applicable.
· Ignition temperature:	245 °C
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties: Not determined.	
· Critical values for explosion:	
· Lower:	1 Vol %
· Upper:	10.9 Vol %
· Steam pressure at 20 °C:	8,300 hPa
· Density	Not determined
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.

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· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: dynamic: kinematic:	Not determined. Not determined.
· Solvent content: Organic solvents:	68.5 %
Solids content:	18.7 %
· 9.2 Other information	The specified boiling point of -44 °C is the boiling point of propane and it is nearly equivalent to the initial boiling point of the mixture. For adhesive applications, this temperature range is not relevant.

* 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:** No dangerous decomposition products known

* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)

Oral	LD50	2,000 mg/kg (Rat)
Dermal	LD50	4,000 mg/kg (Rabbit)
Inhalative	LC50/ 4 h	54 mg/l (Rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **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.
- **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.

* SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.

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- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxic effects:**
- **Remark:** Toxic for fish
- **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 danger class 3 (Self-assessment): extremely hazardous for water.
 - Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.
 - Danger to drinking water if even extremely small quantities leak into soil.
 - Also poisonous for fish and plankton in water bodies.
 - Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

*** 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.

Must be specially treated under adherence to official regulations.

· European waste catalogue (recommendation)	
16 05 04*	gases in pressure containers (including halons) containing hazardous substances
HP 3	Flammable
HP 4	Irritant - skin irritation and eye damage
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 14	Ecotoxic

- **Additional information about the European waste catalogue:** The assignment of a waste key number according to EC Decision 2000/532/EC in connection with EU Directive 75/442/EC has to follow specific industry requirements. The above mentioned classification is only one possible proposal.
- **Uncleaned packagings:**
- **Recommendation:** Disposal according to official regulations.
- **Recommended cleaning agent:** ethyl acetate

*** SECTION 14: Transport information**

· 14.1 UN-Number	
· ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name	
· ADR	AEROSOLS, ENVIRONMENTALLY HAZARDOUS
· IMDG	AEROSOLS, MARINE POLLUTANT
· IATA	AEROSOLS, flammable

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<p>· 14.3 Transport hazard class(es)</p> <p>· ADR</p> 	
<p>· Class</p> <p>· Label</p>	<p>2 5F Gases.</p> <p>2.1</p>
<p>· IMDG</p> 	
<p>· Class</p> <p>· Label</p>	<p>2.1</p> <p>2.1</p>
<p>· IATA</p> 	
<p>· Class</p> <p>· Label</p>	<p>2.1</p> <p>2.1</p>
<p>· 14.4 Packing group</p> <p>· ADR, IMDG, IATA</p>	
	<p>Void</p>
<p>· 14.5 Environmental hazards:</p> <p>· Marine pollutant:</p> <p>· Special marking (ADR):</p>	
	<p>Product contains environmentally hazardous substances: cyclohexane, 64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)</p> <p>Yes</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p>
<p>· 14.6 Special precautions for user</p> <p>· Page:</p> <p>· EMS Number:</p> <p>· Stowage Code</p> <p>· Segregation Code</p>	
	<p>Warning: Gases.</p> <p>-</p> <p>F-D,S-U</p> <p>SW1 Protected from sources of heat.</p> <p>SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.</p> <p>SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.</p>
<p>· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</p>	
	<p>Not applicable.</p>
<p>· Transport/Additional information:</p>	
	<p>Limited quantity regulations concerning ADR and IMDG for packages up to 30 kg (gross weight).</p> <p>ID 8000 Consumer commodity for airtransport of finished goods in packages up to 30 kg possible (gross weight).</p> <p>DOT: ORM-D consumer commodity for road transport inside US</p>

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· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D

· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

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

P3a FLAMMABLE AEROSOLS
E2 Hazardous to the Aquatic Environment

· Qualifying quantity (tonnes) for the application of lower-tier requirements

150 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements

500 t

· REGULATION (EC) No 1907/2006 ANNEX XVII

Conditions of restriction: 3

· National regulations

· 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	47.9
NK	35.3

· Water hazard class:

Water danger class 3 (Self-assessment): extremely hazardous for water.

· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This data is 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.

· Relevant phrases

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

· Department issuing data specification sheet:

tesa SE, Quality Management/Environment/Safety

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- **Contact:** tesa SE: Dr. D. Lamm, Phone: +49-40-88899-2977, Email: dirk.lamm@tesa.com
tesa SE: Dr. A. Koeth, Phone: +49-40-88899-3938, Email: anja.koeth@tesa.com
- **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
 - 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)
 - 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. Gas 1: Flammable gases – Category 1
 - Aerosol 1: Aerosols – Category 1
 - Press. Gas (Comp.): Gases under pressure – Compressed gas
 - Flam. Liq. 2: Flammable liquids – Category 2
 - Acute Tox. 3: Acute toxicity – Category 3
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - 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
- *** Data compared to the previous version altered.**

Annex: Exposure scenario

- **Description of the activities / processes covered in the Exposure Scenario** See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Aerosol
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions affecting environmental exposure** Use only on hard ground.
- **Other operational conditions affecting worker exposure**
 - Avoid contact with the skin.
 - Take precautionary measures against static discharge.
 - Keep away from sources of ignition - No smoking.
- **Other operational conditions affecting consumer exposure** Keep out of the reach of children.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures**
 - Provide explosion-proof electrical equipment.
 - Use product only in enclosed systems.
 - Ensure that suitable extractors are available on processing machines
- **Personal protective measures**
 - Avoid contact with the skin.
 - Protective gloves.
 - 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
- **Measures for consumer protection**
 - Ensure adequate labelling.
 - Keep locked up and out of the reach of children.

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- **Environmental protection measures**
 - **Water** Do not allow to reach sewage system.
 - **Soil** Prevent contamination of soil.
 - **Disposal measures** Ensure that waste is collected and contained.
 - **Disposal procedures** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - **Waste type** Partially emptied and uncleaned packaging
 - **Exposure estimation**
 - **Consumer** Not relevant for this Exposure Scenario.
 - **Guidance for downstream users** No further relevant information available.
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