

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

Printing date 16.06.2015

Version number 165

Revision: 15.06.2015

*** SECTION 1: Identification of the substance/mixture and of the company/legal entity**

· 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

· Manufacturer/Supplier: *tesa SE* *Tel.: +49-40-4909-101*
Quickbornstrasse 24
D-20253 Hamburg
Germany

· Informing department: *tesa SE, quality management/environment/occupational safety, Dr. Dirk Lamm*
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tesa SE, quality management/environment/occupational safety, Dr. Anja Koeth
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· 1.4 Emergency telephone number:
tesa SE, Quickbornstr. 24, D-20253 Hamburg
Security Center Quickbornstr. Phone +49-40-4909-2442
or +49-40-4909-101

UNITED KINGDOM:
The UK National Poisons Emergency number is 0870 600 6266
London:
Emergency 24 hour telephone: +44 (0)20 7188 0100
Guy's & St Thomas' Poisons Unit
Medical Toxicology Information Services
Mary Sheridan House, Guy's Hospital, Great Maze Pond, London SE1 9RT

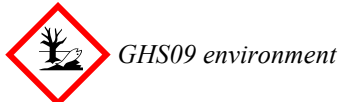
*** SECTION 2: Hazards identification**

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008



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



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



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

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

(Contd. on page 2)

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

Printing date 16.06.2015

Version number 165

Revision: 15.06.2015

Trade name tesa 60020 60021 Spray Glue PERMANENT

(Contd. of page 1)

· Hazard pictograms


GHS02 GHS07 GHS09

· Signal word

Danger

· Hazard-determining components of labelling:

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

· Hazard statements

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.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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

P251 Do not pierce or burn, even after use.

P321 Specific treatment (see on this label).

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.

· Additional information:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

· 2.3 Other hazards

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

· Results of PBT and vPvB assessment
· PBT:

Not classified

· vPvB:

Not classified

*** SECTION 3: Composition/information on ingredients**
· 3.2 Chemical characterisation: Mixtures
· Description:

Dispersion of natural rubber and resins in the following substances:

· Dangerous components:

EINECS: 265-151-9	64742-49-0 Naphtha (petroleum), hydrotreated light (Note P) ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H336	< 50.0%
CAS: 110-82-7 EINECS: 203-806-2	cyclohexane ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	< 25.0%

(Contd. on page 3)

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

Printing date 16.06.2015

Version number 165

Revision: 15.06.2015

Trade name tesa 60020 60021 Spray Glue PERMANENT

(Contd. of page 2)

CAS: 74-98-6 EINECS: 200-827-9	propane liquefied Flam. Gas 1, H220 Press. Gas C, H280	< 25.0%
CAS: 75-28-5 EINECS: 200-857-2	isobutane Flam. Gas 1, H220 Press. Gas C, H280	< 25.0%
CAS: 106-97-8 EINECS: 203-448-7	butane, pure Flam. Gas 1, H220 Press. Gas C, H280	< 10.0%

- **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 risk phrases refer to section 16.

* SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **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
- **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, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents**



Water.

Water with a full water jet.

- **5.2 Special hazards arising from the substance or mixture** Can be released in case of fire:
Nitrogen oxide (NO_x)
Carbon monoxide (CO)
- **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.

(Contd. on page 4)

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

Printing date 16.06.2015

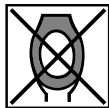
Version number 165

Revision: 15.06.2015

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

(Contd. of page 3)

· **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:**

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.

*** 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.

Open and handle container with care.

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

Do not spray on flames or red-hot objects.



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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.

Handle only outside or in explosion protected rooms.

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 containers:**

Store in cool location.

Observe official regulations on storing packagings with pressurised containers.

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

Not required.

· **Further information about storage conditions:**

Keep container tightly sealed.

Do not seal container gastight.

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

Store only outside or in explosion proof rooms.

· **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.

(Contd. on page 5)

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

Printing date 16.06.2015

Version number 165

Revision: 15.06.2015

Trade name tesa 60020 60021 Spray Glue PERMANENT

(Contd. of page 4)

8.1 Control parameters

Components with critical values that require monitoring at the workplace:	
110-82-7 cyclohexane	
WEL	Short-term value: 1050 mg/m ³ , 300 ppm Long-term value: 350 mg/m ³ , 100 ppm
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)

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

Keep away from foodstuffs, beverages and food.
Instantly remove any contaminated garments.
Wash hands before breaks and at the end of the work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

Breathing equipment:

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.

Use respiratory protection in case of insufficient ventilation.

Protection of hands:


Solvent resistant gloves

Material of gloves

Nitrile rubber, NBR

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 protection:

Not required.

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/Melting range:	Not determined
Boiling point/Boiling range:	-44 °C (Siedebeginn bzgl. Propan)
Flash point:	< -19 °C
Inflammability (solid, gaseous)	Not applicable.
Ignition temperature:	245 °C

(Contd. on page 6)

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

Printing date 16.06.2015

Version number 165

Revision: 15.06.2015

Trade name tesa 60020 60021 Spray Glue PERMANENT

(Contd. of page 5)

· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Not determined.
· Critical values for explosion:	
Lower:	1.0 Vol %
Upper:	10.9 Vol %
· Steam pressure at 20 °C:	8300 hPa
· Density	Not determined
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· Solvent content:	
Organic solvents:	83.1 %
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**
- **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**

· LD/LC50 values that are relevant for classification:		
64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)		
Oral	LD50	2000 mg/kg (Ratte)
Dermal	LD50	4000 mg/kg (Rabbit)
Inhalative	LC50/ 4 h	54 mg/l (Ratte)

(Contd. on page 7)

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

Printing date 16.06.2015

Version number 165

Revision: 15.06.2015

Trade name tesa 60020 60021 Spray Glue PERMANENT

(Contd. of page 6)

110-82-7 cyclohexane		
Oral	LD50	12705 mg/kg (rat)
<ul style="list-style-type: none"> · 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.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological 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+)
- **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.
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 dangerous substances

- **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.

(Contd. on page 8)

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

Printing date 16.06.2015

Version number 165




Revision: 15.06.2015

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

(Contd. of page 7)

· Recommended cleaning agent: ethyl acetate

*** SECTION 14: Transport information**

· 14.1 UN-Number · ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS AEROSOLS, MARINE POLLUTANT AEROSOLS, flammable
· 14.3 Transport hazard class(es) · ADR	
· Class · Label	2 5F Gases. 2.1
· IMDG	
· Class · Label	2.1 2.1
· IATA	
· Class · Label	2.1 2.1
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: cyclohexane, 64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user · Page: · EMS Number:	Warning: Gases. - F-D,S-U
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	Limited quantity regulations concerning ADR and IMDG for packages up to 30 kg (gross weight). ID 8000 Consumer commodity for airtransport of finished goods in packages up to 30 kg possible (gross weight).

(Contd. on page 9)

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

Printing date 16.06.2015

Version number 165

Revision: 15.06.2015

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

(Contd. of page 8)

·	DOT: ORM-D consumer commodity for road transport inside US
· 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":	UN1950, AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 2.1

*** 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.

· National regulations

· Technical instructions (air):

Class	Share in %
III	47.9
NK	35.3

· Water hazard class:

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

· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not 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.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

· Department issuing data specification sheet:

tesa SE, Quality Management/Environment/Safety
tesa SE: Dr. D. Lamm, Phone: +49-40-4909-2977, Email: dirk.lamm@tesa.com
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· Contact:

· 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

(Contd. on page 10)

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

Printing date 16.06.2015

Version number 165

Revision: 15.06.2015

Trade name tesa 60020 60021 Spray Glue PERMANENT

(Contd. of page 9)

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
Flam. Gas 1: Flammable gases, Hazard Category 1
Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
Press. Gas C: Gases under pressure: Compressed gas
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

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