

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

Printing date 13.03.2019

Version number 38

Revision: 13.03.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name** tesa 60023 Spray Glue REPOSITIONABLE**Article number:** tesa 60023 (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
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or +49-40-88899-9111

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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.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- 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:

Danger

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

- Hazard statements

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

H315 Causes skin irritation.

H411 Toxic 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.

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

P251 Do not pierce or burn, even after use.

P280 Wear protective gloves.

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.

- 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

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SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture consisting of the following components.

Dangerous components:

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	<50%
CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37-xxxx	dimethyl ether ⚠ Flam. Gas 1, H220 ⚠ Acute Tox. 2, H330 ⚠ Press. Gas (Comp.), H280	<25%
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%
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	<10%
CAS: 142-82-5 EINECS: 205-563-8 Reg.nr.: 01-2119457603-38-xxxx	heptane ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	<10%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx	isobutane ⚠ Flam. Gas 1, H220 ⚠ Press. Gas (Comp.), H280	<10%
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	<2.5%

• **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

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.

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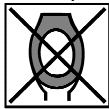
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- **5.2 Special hazards arising from the substance or mixture**
Can be released in case of fire:
Nitrogen oxide (NOx)
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **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**
- **6.2 Environmental precautions:**
Wear protective equipment. Keep unprotected persons away.
 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.
- **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 pressurised 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.
- **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.

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· 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)
115-10-6 dimethyl ether	
WEL	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
142-82-5 heptane	
WEL	Long-term value: 2085 mg/m ³ , 500 ppm
67-64-1 acetone	
WEL	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm

· 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.

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.

Not necessary if room is well-ventilated.

Use breathing filter A2

· Breathing equipment:

· Protection of hands:



Solvent resistant gloves

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

Nitrile rubber, NBR

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.

Void

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.

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· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	-44 °C
· Flash point:	-97 °C
· Inflammability (solid, gaseous)	Not applicable.
· Ignition temperature:	235 °C
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Not determined.
· Critical values for explosion:	
Lower:	1.5 Vol %
Upper:	18.6 Vol %
· Steam pressure at 20 °C:	8,300 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:	89.8 %
Solids content:	6.2 %
· 9.2 Other information	No further relevant information available.

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

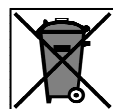
- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR 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** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** May be fatal if swallowed and enters airways.

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+)
Free of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) according to RoHS Directive.
- **General notes:** 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 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.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal according to official regulations.
- **Recommended cleaning agent:** ethyl acetate

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA 	<p>UN1950</p>
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA 	<p>AEROSOLS, ENVIRONMENTALLY HAZARDOUS AEROSOLS, MARINE POLLUTANT AEROSOLS</p>
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR 	<div style="display: flex; align-items: center;">   </div> <p>· Class 2 5F Gases. · Label 2.1</p>
<ul style="list-style-type: none"> · IMDG 	<div style="display: flex; align-items: center;">   </div> <p>· Class 2 Gases. · Label 2.1</p>
<ul style="list-style-type: none"> · IATA 	<div style="display: flex; align-items: center;">  </div> <p>· Class 2 Gases. · Label 2.1</p>
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	<p>Void</p>
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): 	<p>Symbol (fish and tree) Symbol (fish and tree)</p>
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Page: · EMS Number: · Stowage Code 	<p>Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. 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>

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· Segregation Code	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.
· 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). 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":	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**

· **Additional classification according to Decree on Hazardous Materials, Annex III:**

Void

· **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.
Void

· **Decree to be applied in case of technical fault:**

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

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· **Technical instructions (air):**

Class	Share in %
I	0.4
III	6.7
NK	83.1

- **Water hazard class:** Water danger class 3 (Self-assessment): extremely 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.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- 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

· **Contact:**

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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
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. 2: Acute toxicity – Category 2
Acute Tox. 3: Acute toxicity – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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