

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

Printing date 16.09.2016

Version number 46

Revision: 16.09.2016

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

· 1.1 Product identifier

· Trade name *tesa 60042 Adhesive Remover Spray*

· Article number: *tesa 60042 (200ml)*

· 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
Cleaning agent / Cleaner

· Manufacturer/Supplier: *tesa SE* *Tel.: +49-40-88899-101*
Hugo-Kirchberg-Strasse 1
D-22848 Norderstedt
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
Anja.Koeth@tesa.com, Tel.: +49-40-88899-3938

· 1.4 Emergency telephone number:
tesa SE, Hugo-Kirchberg-Str. 1, D-22848 Norderstedt
Security Center Phone +49-40-88899-0
or +49-40-88899-9111

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



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.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H336 May cause drowsiness or dizziness.

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

· 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 16.09.2016

Version number 46

Revision: 16.09.2016

Trade name **tesa 60042 Adhesive Remover Spray**

(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)

(R)-p-mentha-1,8-diene

64742-48-9 Hydrotreated heavy naphtha

· Hazard statements

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

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· 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.

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

P251 Do not pierce or burn, even after use.

P362+P364 Take off contaminated clothing and wash it before reuse.

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.

· 2.3 Other hazards

The preparation contains no eluable 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:

Mixture consisting of the following components.

· 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: 64742-48-9 EINECS: 265-150-3	64742-48-9 Hydrotreated heavy naphtha  Acute Tox. 3, H331  Asp. Tox. 1, H304	< 25.0%
CAS: 5989-27-5 EINECS: 227-813-5	(R)-p-mentha-1,8-diene  Flam. Liq. 3, H226  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Irrit. 2, H315; Skin Sens. 1, H317	< 25.0%

(Contd. on page 3)

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

Printing date 16.09.2016

Version number 46

Revision: 16.09.2016

Trade name tesa 60042 Adhesive Remover Spray

(Contd. of page 2)

CAS: 106-97-8 EINECS: 203-448-7	butane, pure ⚠ Flam. Gas 1, H220 Press. Gas C, H280	< 25.0%
CAS: 74-98-6 EINECS: 200-827-9	propane liquefied ⚠ Flam. Gas 1, H220 Press. Gas C, H280	< 10.0%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	< 10.0%

- **SVHC** Free of any SVHC substances or < 0.1 %
- **Regulation (EC) No 648/2004 on detergents / Labelling for contents** aliphatic hydrocarbons ≥ 30%
Limonene
- **Additional information** Ingredients are listed on the can.
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air and call physician for safety reasons.
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** CO₂, sand, extinguishing powder. Do not use water.
- **Suitable extinguishing agents**
- **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 16.09.2016

Version number 46

Revision: 16.09.2016

Trade name **tesa 60042 Adhesive Remover Spray**

(Contd. of page 3)

- **6.2 Environmental precautions:** *Inform responsible authorities in case of spilling into water or sewage system.*
- **6.3 Methods and material for containment and cleaning up:** *Absorb liquid components with liquid-binding material.
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.*
- **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:** *Store in cool, dry conditions in well sealed containers.
Protect from heat and direct sunlight.*
- **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)
67-63-0 propan-2-ol	
WEL	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm

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

(Contd. on page 5)

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

Printing date 16.09.2016

Version number 46

Revision: 16.09.2016

Trade name tesa 60042 Adhesive Remover Spray

(Contd. of page 4)

- 8.2 Exposure controls
- Personal protective equipment
- General protective and hygienic measures

Instantly remove any contaminated garments.
Wash hands before breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

- 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
- Penetration time of glove material

Nitrile rubber, NBR

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

- Eye protection:
- Body protection:

Tightly sealed safety glasses.

Protective work clothing.

*** SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Aerosol
Colour:	Colourless
· Smell:	Fruit-like
· Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	-44 °C
· Flash point:	-97 °C
· Ignition temperature:	240 °C
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion:	
Lower:	0.6 Vol %
Upper:	10.9 Vol %
· Steam pressure at 20 °C:	8300 hPa
· Density	Not determined
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.

(Contd. on page 6)

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

Printing date 16.09.2016

Version number 46

Revision: 16.09.2016

Trade name tesa 60042 Adhesive Remover Spray

(Contd. of page 5)

- **Solvent content:**
- Organic solvents:** 84.2 %
- **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	2000 mg/kg (Ratte)
Dermal	LD50	4000 mg/kg (Rabbit)
Inhalative	LC50/ 4 h	54 mg/l (Ratte)

64742-48-9 64742-48-9 Hydrotreated heavy naphtha

Oral	LD50	über8000 mg/kg (rat)
Dermal	LD50	über4000 mg/kg (rab)
Inhalative	LC50/ 4 h	über 5.4 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** May cause an allergic skin reaction.
- **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** 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.

(Contd. on page 7)

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

Printing date 16.09.2016

Version number 46

Revision: 16.09.2016

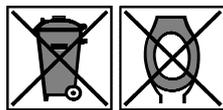
Trade name **tesa 60042 Adhesive Remover Spray**

(Contd. of page 6)

- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:** Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Water hazard class 2 (Self-assessment): hazardous for water.
Prevent product from reaching ground water, water bodies or sewage systems.
Danger to drinking water even if small quantities leak into soil.
- **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.

· European waste catalogue (recommendation)
16 05 04* gases in pressure containers (including halons) containing hazardous 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.
- **Recommended cleaning agent:** ethyl acetate

*** SECTION 14: Transport information**

· 14.1 UN-Number	UN1950
· ADR, IMDG, IATA	
· 14.2 UN proper shipping name	1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
· ADR	AEROSOLS, MARINE POLLUTANT
· IMDG	AEROSOLS, flammable
· IATA	
· 14.3 Transport hazard class(es)	
· ADR	
	
· Class	2 5F Gases.
· Label	2.1

(Contd. on page 8)

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

Printing date 16.09.2016

Version number 46

Revision: 16.09.2016

Trade name **tesa 60042 Adhesive Remover Spray**

(Contd. of page 7)

<p>· IMDG</p>  <p>· Class 2.1 · Label 2.1</p>	
<p>· IATA</p>  <p>· Class 2.1 · Label 2.1</p>	
<p>· 14.4 Packing group · ADR, IMDG, IATA</p>	<p>Void</p>
<p>· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR):</p>	<p>Product contains environmentally hazardous substances: (R)-<i>p</i>-mentha-1,8-diene, 64742-49-0 Naphtha (petroleum), hydrotreated light (Note P) Yes Symbol (fish and tree) Symbol (fish and tree)</p>
<p>· 14.6 Special precautions for user · Page: · EMS Number: · Stowage Code · Segregation Code</p>	<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. 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). 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</p>
<p>· ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category</p>	<p>1L Code: E0 Not permitted as Excepted Quantity 2</p>

(Contd. on page 9)

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

Printing date 16.09.2016

Version number 46

Revision: 16.09.2016

Trade name **tesa 60042 Adhesive Remover Spray**

(Contd. of page 8)

· 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: 28, 29

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
III	39.8
NK	44.4

- **Water hazard class:** Water hazard class 2 (Self-assessment): 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.
H226 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.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
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.
- **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

(Contd. on page 10)

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

Printing date 16.09.2016

Version number 46

Revision: 16.09.2016

Trade name tesa 60042 Adhesive Remover Spray

(Contd. of page 9)

· 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 C: Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
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
Skin Sens. 1: Skin sensitisation – Category 1
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.