

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.04.2011

Version number 22

Revision: 08.01.2011

* 1 Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· **Trade name**

tesa 60040 Industry Cleaner Spray

· **Article number:**

tesa 60040 (500ml)

· **Relevant identified uses of the substance or mixture and uses advised against**

· **Application of the substance / the preparation**

Industrial cleaner

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

tesa SE
Quickbornstrasse 24
D-20253 Hamburg
Germany

Tel.: +49-40-4909-101

· **Informing department:**

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Phone 040-4909-0 or 040-4909-2442

· **Emergency telephone number:**

* 2 Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R38: Irritating to skin.



Xi; Sensitising

R43: May cause sensitisation by skin contact.



F+; Extremely flammable

R12: Extremely flammable.



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

· **Information concerning particular**

hazards for human and environment: The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Warning! Pressurized container.
Has a narcotizing effect.

(Contd. on page 2)

— GB —

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.04.2011

Version number 22

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Trade name tesa 60040 Industry Cleaner Spray

(Contd. of page 1)

· **Label elements**

· **Labelling according to EU guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

· **Code letter and hazard designation of product:**



Xi Irritant
F+ Extremely flammable
N Dangerous for the environment

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

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

· **Risk phrases:**

12 Extremely flammable.
38 Irritating to skin.
43 May cause sensitisation by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

3 Keep in a cool place.
23 Do not breathe fumes.
24/25 Avoid contact with skin and eyes.
37 Wear suitable gloves.
51 Use only in well-ventilated areas.
57 Use appropriate container to avoid environmental contamination.

· **Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
100.0 % by mass of the contents are flammable

· **Classification system**

· **NFPA-Ratings for USA**



Health = 1
Flammability = 4
Reactivity = 3

· **Other hazards**

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





3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:**

Mixture consisting of the following components.

· **Dangerous components:**

CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	< 100.0%
EINECS: 265-151-9	 <i>Xn</i> R65	
	 <i>F</i> R11	
	 <i>N</i> R51/53	
	 <i>Carc. 1B, H350; Asp. Tox. 1, H304</i>	

(Contd. on page 3)

— GB —

Safety data sheet

















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Version number 22

Revision: 08.01.2011

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(Contd. of page 2)		
CAS: 106-97-8 EINECS: 203-448-7	butane, pure	< 25.0%
	 F+ R12	
	 Flam. Gas 1, H220  Press. Gas, H280	
CAS: 74-98-6 EINECS: 200-827-9	propane liquefied	< 10.0%
	 F+ R12	
	 Flam. Gas 1, H220  Press. Gas, H280	
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	< 10.0%
	 Xi R36	
	 F R11 R67	
	 Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 5989-27-5 EINECS: 227-813-5	(R)-p-mentha-1,8-diene	< 10.0%
	 Xi R38	
	 Xi R43	
	 N R50/53 R10	
	 Flam. Liq. 3, H226  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Irrit. 2, H315; Skin Sens. 1, H317	

· **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 risk phrases refer to section 16.

4 First aid measures

· **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.

· **Information for occupational physician.**

· **Most important symptoms and
effects, both acute and delayed**

Dazedness

· **Indication of any immediate medical
attention and special treatment
needed**

If swallowed, gastric irrigation with added, activated carbon.

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents**

CO₂, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable
extinguishing agents**



Water.

(Contd. on page 4)

— GB —

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.04.2011

Version number 22

Revision: 08.01.2011

Trade name tesa 60040 Industry Cleaner Spray

(Contd. of page 3)

Water with a full water jet.

· **Special hazards arising from the substance or mixture**

Carbon monoxide (CO)

Nitrogen oxides (NOx)

· **Advice for firefighters**

· **Protective equipment:**

No special measures required.

· **Additional information**

Cool endangered containers with water spray jet.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

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

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

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· **Reference to other sections**

See Section 8 for information on personal protection equipment.

* 7 Handling and storage

· **Handling**

· **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.

· **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 pressurized 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.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.04.2011

Version number 22

Revision: 08.01.2011

Trade name tesa 60040 Industry Cleaner Spray

(Contd. of page 4)

* 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

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

butane, pure

WEL Short-term value: 1810 mg/m³, 750 ppm
Long-term value: 1450 mg/m³, 600 ppm
Carc (if more than 0.1% of buta-1,3-diene)

propan-2-ol

WEL Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm

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

· **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 skin.
Avoid contact with the eyes and skin.
Use breathing filter A2

· **Breathing equipment:**



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

· **Eye protection:**



Tightly sealed safety glasses.

· **Body protection:**

Protective work clothing.

* 9 Physical and chemical properties

· **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

(Contd. on page 6)

— GB —

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.04.2011

Version number 22

Revision: 08.01.2011

Trade name tesa 60040 Industry Cleaner Spray

(Contd. of page 5)

Boiling point/Boiling range:	-44°C
· Flash point:	-97°C
· Ignition temperature:	255°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:	1.0 Vol %
Upper:	10.9 Vol %
· Steam pressure at 20°C:	8300 hPa
· Density at 20°C	0.84157 g/cm ³
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· Solvent content:	
Organic solvents:	100.0 %

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- on the skin:** Irritant for skin and mucous membranes.
- on the eye:** No irritant effect.
- **Sensitization:** Sensitization possible by skin contact.
- **Additional toxicological information:** The product shows the following dangerous properties according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant
- **Sensitisation** May cause sensitisation by skin contact.

*12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.

(Contd. on page 7)

— GB —

Safety data sheet

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Version number 22

Revision: 08.01.2011

Trade name tesa 60040 Industry Cleaner 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.

* 13 Disposal considerations

- **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 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 05	gases in pressure containers other than those mentioned in 16 05 04

- **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:**
- **Recommended cleaning agent:** ethyl acetate

* 14 Transport information

· Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)



- **ADR/RID-GGVS/E Class:** 2 5F
- **Page:** -
- **UN-Number:** 1950
- **Packaging group:** -
- **Label:** 2.1
- **Special marking:** Symbol (fish and tree)
- **UN proper shipping name:** 1950 AEROSOLS
- **Tunnel restriction code** D

· Maritime transport IMDG/GGVSea:



- **IMDG/GGVSea Class:** 2.1

(Contd. on page 8)

Safety data sheet

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Version number 22

Revision: 08.01.2011

Trade name tesa 60040 Industry Cleaner Spray

(Contd. of page 7)

- **UN Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Correct technical name:** Symbol (fish and tree)
AEROSOLS

· Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **Correct technical name:** AEROSOLS, flammable

· **Environmental hazards:** Product contains environmentally hazardous substances: (R)-p-mentha-1,8-diene, Naphtha (petroleum), hydrotreated light

· **Transport/Additional information:** Limited quantity regulations concerning ADR and IMO for packages up to 30 kg.
ID 8000 Consumer commodity for airtransport of finished goods in packages up to 30 kg possible
DOT: ORM-D consumer commodity for road transport inside US

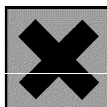
* 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

· **Code letter and hazard designation of product:**



Xi Irritant
F+ Extremely flammable
N Dangerous for the environment

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

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

· **Risk phrases:**

- 12 Extremely flammable.
- 38 Irritating to skin.
- 43 May cause sensitisation by skin contact.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

- 3 Keep in a cool place.
- 23 Do not breathe fumes.
- 24/25 Avoid contact with skin and eyes.
- 37 Wear suitable gloves.
- 51 Use only in well-ventilated areas.

(Contd. on page 9)

Safety data sheet

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Version number 22

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Trade name tesa 60040 Industry Cleaner Spray

(Contd. of page 8)

57 Use appropriate container to avoid environmental contamination.

· Special designation of certain preparations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
100.0 % by mass of the contents are flammable

· National regulations

· Technical instructions (air):

Class	Share in %
III	63.0
NK	37.0

· Water hazard class:

Water hazard class 2 (Self-assessment): hazardous for water.

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.

· 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.
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.
H336 May cause drowsiness or dizziness.
H350 May cause cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R36 Irritating to eyes.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.
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· Contact: