

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/19/2023

Reviewed on 02/19/2023

* 1 Identification

Product identifier

Trade name tesa EC HAF 58451, 58452

Application of the substance / the mixture

Adhesive tape

Manufacturer/Supplier:

tesa SE
Hugo-Kirchberg-Str. 1
D-22848 Norderstedt
Germany

Tel.: +49-40-88899-101

Informing department:

tesa SE, Corporate Regulatory Affairs
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tesa SE, Hugo-Kirchberg-Str. 1, 22848 Norderstedt, Germany
Phone: +49 40 88899 2667 (Mon.-Thurs. 07:00-18:00h, Fr. 07:00-15:00h)

* 2 Hazard(s) identification

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonized System (GHS).

Label elements

GHS label elements

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

Hazard pictograms

Void

Signal word

Void

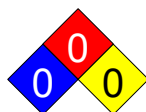
Hazard statements

Void

Classification system

NFPA ratings (scale 0-4)

Health = 0
Fire = 0
Reactivity = 0



HMIS ratings (scale 0-4)

HEALTH 0 Health = 0
FIRE 0 Fire = 0
REACTIVITY 0 Reactivity = 0



Other hazards

The product contains no elutable organic halogens, which will increase the AOX-values of the waste water.

The product does not contain organically bound halogen compounds (AOX), nitrates, heavy metal compounds (sum below 100 ppm) and formaldehyde.

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

* 3 Composition/information on ingredients

Chemical characterization: Mixtures

Description:

Solvent-free nitrile rubber/phenolic resin mixture filled with conductive materials and pigments on PET Release Liner
Gemisch aus Polyurethan, Pigment und Härter

Dangerous components:

39423-51-3 Trimethylolpropane tris[poly(propylene glycol), amine terminated] ether

<1%

 Acute Toxicity - Oral 3, H301

 Skin Corrosion 1B, H314; Eye Damage 1, H318

Additional information

The product does not contain benzene

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The wording of the listed hazard statements can be found in section 16.

4 First-aid measures

· Description of first aid measures	
· General information	No special measures required.
· After inhalation	Void
· After skin contact	Skin contact with hot adhesive mass (from 45°C): Remove garments carefully to prevent heat build-up and afterburning. Do not remove items of clothing that have already bonded to the skin. Immediately rinse or shower the burned body regions gently with cold water (15-20°C) (at least 15 minutes). The cold water treatment leads to pain relief and reduced edema formation. This reduces the afterburn effect. Avoid hypothermia due to extensive application of cold water or ice water. Constantly check the vital signs of the burn victim. The first aider should not cover burned skin areas with dressing material or apply burn ointment. Avoid cooling. The product is not irritating to the skin. Rinse with warm water.
· After eye contact	Rinse opened eye for several minutes under running water.
· After swallowing	Void
· Information for doctor	
· Most important symptoms and effects, both acute and delayed	No further relevant information available.
· Indication of any immediate medical attention and special treatment needed	No further relevant information available.

* 5 Fire-fighting measures

· Extinguishing media	
· Suitable extinguishing agents	Use fire fighting measures that suit the environment.
· For safety reasons unsuitable extinguishing agents	Water with a full water jet.
· Special hazards arising from the substance or mixture	In the event of a fire may be released: Hydrogen cyanide (HCN) Under certain fire conditions, traces of toxic substances cannot be excluded, such as: Nitrogen oxides (NOx) Carbon monoxide (CO) Carbon dioxide (CO2) Under certain fire conditions, traces of other toxic substances cannot be excluded.
· Advice for firefighters	
· Protective equipment:	Put on breathing apparatus. Do not inhale explosion gases or combustion gases.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures	Not required.
· Environmental precautions:	No special measures required.
· Methods and material for containment and cleaning up:	Collect mechanically.
· Reference to other sections	No dangerous materials are released. See Section 7 for information on safe handling

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See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

Protective Action Criteria for Chemicals

· PAC-1:		
39423-51-3	Trimethylolpropane tris[poly(propylene glycol), amine terminated] ether	30 mg/m ³
· PAC-2:		
39423-51-3	Trimethylolpropane tris[poly(propylene glycol), amine terminated] ether	330 mg/m ³
· PAC-3:		
39423-51-3	Trimethylolpropane tris[poly(propylene glycol), amine terminated] ether	2,000 mg/m ³

7 Handling and storage

- **Handling**
- **Precautions for safe handling**

During the thermo setting process traces of fragrant phenolic and formaldehyde vapours could be come out of the bond.
Heated product / material can cause severe burns on skin.
Heated product / material can lead to irreversible eye damage.
No special measures required.
- **Information about protection against explosions and fires:**

No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**

No special requirements.
- **Information about storage in one common storage facility:**

Not required.
- **Further information about storage conditions:**

None.
- **Specific end use(s)**

No further relevant information available.

* 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:**
- **Additional information:**

The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **Breathing equipment:**

Not required.
- **Protection of hands:**

Not required.
- **Material of gloves**

Suitability and resistance of a glove depend on the conditions of use, such as frequency and duration of contact, chemical resistance of the glove material, thickness and fit of the gloves. As a general rule, the glove manufacturer should be consulted for the necessary information. Contaminated or damaged gloves should be replaced immediately.
- **Penetration time of glove material**

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

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· Eye protection: Not required.

* 9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Solid.
Colour:	Black
· Smell:	Product specific
· Odor threshold:	Not determined.
· pH-value:	Not applicable.
· Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
· Flash point:	Not applicable
· Inflammability (solid, gaseous)	Not determined.
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive.
· Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
· Steam pressure:	Not applicable.
· Density	Not determined
· Relative density	Not determined.
· Vapor density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
Water:	Unsoluble
· Partition coefficient (n-octanol/water):	
Not determined.	
· Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	Residual solvent content in tape: much smaller than 0,1 weight-%
Solids content:	100.0 %
· Other information	No further relevant information available.

* 10 Stability and reactivity

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known

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- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

ATE (Acute Toxicity Estimate)

Oral	LD50	40,000 mg/kg
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- **Primary irritant effect:**

- **on the eye:**

No irritant effect.

- **Sensitization:**

(Means the vapours, formed in the thermo setting process)

Sensitizing effect by inhalation is possible by prolonged exposure.

- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

No further relevant information available.

- **Persistence and degradability**

No further relevant information available.

- **Behaviour in environmental systems:**

- **Bioaccumulative potential**

No further relevant information available.

- **Mobility in soil**

No further relevant information available.

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

- **Results of PBT and vPvB assessment**

- **PBT:**

Not applicable.

- **vPvB:**

Not applicable.

- **Other adverse effects**

No further relevant information available.

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* 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**

Smaller quantities can be disposed with household garbage.

Energy recovery: The product can be applied to a suitable waste incineration plant for mixed waste.

Energy recovery by incineration in an approved waste incineration plant.

Consider the applicable regulations of the country, the State or local area.

For larger amounts of waste: consult the authorities prior the disposal.
- **Uncleaned packagings:**

Void

14 Transport information

· UN-Number	
· DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

* 15 Regulatory information

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

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **National regulations**

avoids

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- **Additional classification according to Decree on Hazardous Materials, Annex II:** Void
- **Information about limitation of use:** Void
- **Decree to be applied in case of technical fault:** Void
- **Other regulations, limitations and prohibitive regulations**

· SARA Section 313
-
· SARA section 355
-
· Proposition 65 - Cancer
-
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This product (this product group) is not a hazardous substance in the sense of the currently valid GefStoffV. This safety data sheet is therefore not subject to the automatic amendment service according to GefStoffV § 6 para. 1. 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.

- **Department issuing data specification sheet:** tesa SE, Corporate Regulatory Affairs
- **Contact:** tesa SE, Corporate Regulatory Affairs, Email: SDS@tesa.com, Tel.: +4940-88899-0
- **Date of preparation / last revision** 02/19/2023
- **Abbreviations and acronyms:**
 - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - 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)
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - NIOSH: National Institute for Occupational Safety
 - OSHA: Occupational Safety & Health
 - TLV: Threshold Limit Value
 - PEL: Permissible Exposure Limit
 - REL: Recommended Exposure Limit
 - Acute Toxicity - Oral 3: Acute toxicity – Category 3
 - Skin Corrosion 1B: Skin corrosion/irritation – Category 1B
 - Eye Damage 1: Serious eye damage/eye irritation – Category 1

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