

**Lembar Data Keselamatan**  
menurut Peraturan Menteri Perindustrian RI No. 87/M-IND/PER/9/2009

Printing date 30.01.2023

Version number 5

Revision: 30.01.2023

### \* 1 Identifikasi Senyawa (Tunggal atau Campuran)

|  |   |
|--|---|
| · <b>Product identifier</b>  |   |
| · <b>Trade name</b>  | <b>tesa 60381, 60382, 60384, 60385</b>  |
| · <b>Relevant identified uses of the substance or mixture and uses advised against</b> | No further relevant information available.  |
| · <b>Product category</b>  | PC1 Adhesives, sealants   |
| · <b>Application of the substance / the mixture</b>                                    | Adhesive tape   |
| · <b>Manufacturer/Supplier:</b>  | tesa SE<br>Hugo-Kirchberg-Strasse 1<br>D-22848 Norderstedt<br>Tel.: +49-40-88899-101<br>Germany   |
| · <b>Informing department:</b>   | tesa SE, Corporate Regulatory Affairs<br>SDS@tesa.com, Tel.: +49-40-88899-6954  |
| · <b>Emergency telephone number:</b>   | Reception Headquarters<br>tesa SE, Hugo-Kirchberg-Str. 1, 22848 Norderstedt, Germany<br>Phone: +49 40 88899 2667 (Mon.-Thurs. 07:00-18:00h, Fr. 07:00-15:00h) |

### 2 Identifikasi Bahaya

|   |  |
|---|--|
| · <b>Classification of the substance or mixture</b> | The product is not classified, according to the Globally Harmonised System (GHS).  |
| · <b>Label elements</b>                             |  |
| · <b>GHS label elements</b>                         | The product is classified and labelled according to the CLP regulation.  |
| · <b>Hazard pictograms</b>                          | Void   |
| · <b>Signal word</b>                                | Void   |
| · <b>Hazard statements</b>                          | Void   |
| · <b>Other hazards</b>                              | The product contains no elutable organic halogens, which will increase the AOX-values of the waste water.<br>The product does not contain organically bound halogen compounds (AOX), nitrates, heavy metal compounds (sum below 100 ppm) and formaldehyde. |
| · <b>Results of PBT and vPvB assessment</b>         |  |
| · <b>PBT:</b>                                       | Not classified   |
| · <b>vPvB:</b>                                      | Not classified   |

### 3 Komposisi /Informasi tentang Bahan Penyusun Senyawa Tunggal

|   |   |
|---|---|
| · <b>Chemical characterisation: Mixtures</b>                                |   |
| · <b>Description:</b>   | Backing: Conductive fabric<br>Adhesive: Polyacrylate filled with nickel powder.<br>Carrier: Polyester |
| · <b>Dangerous components:</b>  | Void  |
| · <b>SVHC</b>   | Free from SVHC substances or < 0.1 %.   |
| · <b>Regulation (EC) No 648/2004 on detergents / Labelling for contents</b> | not applicable  |
| · <b>Additional information</b>   | The wording of the listed hazard statements can be found in section 16.                               |

### 4 Tindakan Pertolongan Pertama pada Kecelakaan

|  |                               |
|--|-------------------------------|
| · <b>Description of first aid measures</b> |                               |
| · <b>General information</b>               | No special measures required. |

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|  |  |
|--|--|
| · After inhalation   | Void   |
| · After skin contact   | The product is not irritating to the skin.<br>Rinse with warm water. |
| · After eye contact  | Void   |
| · After swallowing   | Void   |
| · Information for occupational physician.                                    | Void   |
| · Most important symptoms and effects, both acute and delayed                | Void   |
| · Indication of any immediate medical attention and special treatment needed | Void   |

**\* 5 Tindakan pemadaman kebakaran**

|   |  |
|---|--|
| · Extinguishing media                                   |  |
| · Suitable extinguishing agents                         | Use appropriate fire fighting measures.  |
| · 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:<br>Nitrogen oxides (NOx)<br>Carbon monoxide (CO)<br>Carbon dioxide (CO2)<br>Under certain fire conditions, traces of other toxic substances cannot be excluded. |
| · Advice for firefighters                               |  |
| · Protective equipment:                                 | Put on breathing apparatus.<br>Do not inhale explosion gases or combustion gases.  |
| · Additional information                                | None   |

**6 Tindakan Penanggulangan jika terjadi Tumpahan dan Kebocoran**

|   |  |
|---|--|
| · 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.<br>See Section 7 for information on safe handling<br>See Section 8 for information on personal protection equipment.<br>See Section 13 for information on disposal. |

**7 Penanganan dan Penyimpanan**

|  |                               |
|--|-------------------------------|
| · Handling   |                               |
| · Precautions for safe handling                                | 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.      |

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- **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 Kontrol Paparan/ Perlindungan Diri

- **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.
- **Eye protection:** Not required.

### 9 Sifat fisika dan kimia

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - **Form:** Solid.
  - **Colour:** Black
  - **Smell:** Product specific
  - **Odour threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**
  - **Melting point/freezing point:** Not determined
  - **Initial boiling point and boiling range:** Not determined
- **Flash point:** Not applicable
- **Inflammability (solid, gaseous)** Not applicable
- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined.
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive.
- **Critical values for explosion:**
  - **Lower:** Not determined.

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|  |  |
|--|--|
| <b>Upper:</b>                                    | Not determined.  |
| · <b>Steam pressure:</b>                         | Not applicable.  |
| · <b>Density</b>                                 | Not determined   |
| · <b>Relative density</b>                        | Not determined.  |
| · <b>Vapour density</b>                          | Not applicable.  |
| · <b>Evaporation rate</b>                        | Not applicable.  |
| · <b>Solubility in / Miscibility with Water:</b> | Soluble  |
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.  |
| · <b>Viscosity:</b>                              |  |
| dynamic:   | Not applicable.  |
| kinematic:                                       | Not applicable.  |
| · <b>Solvent content:</b>                        |  |
| Organic solvents:                                | Residual solvent content in tape: much smaller than 0,1 weight-% |
| Solids content:                                  | 100.0 %  |
| · <b>Other information</b>                       | No further relevant information available.                       |

## 10 Stabilitas dan Reaktivitas

|  |   |
|--|---|
| · <b>Reactivity</b>  | No further relevant information available.            |
| · <b>Chemical stability</b>                                |   |
| · <b>Thermal decomposition / conditions to be avoided:</b> | No decomposition if used according to specifications. |
| · <b>Possibility of hazardous reactions</b>                | No dangerous reactions known                          |
| · <b>Conditions to avoid</b>                               | No further relevant information available.            |
| · <b>Incompatible materials:</b>                           | No further relevant information available.            |
| · <b>Hazardous decomposition products:</b>                 | No dangerous decomposition products known             |

## \*11 Informasi Toksikologi

|  |   |
|--|---|
| · <b>Information on toxicological effects</b>  |   |
| · <b>Acute toxicity</b>                        |   |
| · <b>Primary irritant effect:</b>              |   |
| · <b>Serious eye damage/irritation</b>         | No irritant effect.   |
| · <b>Respiratory or skin sensitisation</b>     | No sensitizing effect known.  |
| · <b>Additional toxicological information:</b> | 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. |

## 12 Informasi Ekologi

|  |  |
|--|--|
| · <b>Toxicity</b>                            |  |
| · <b>Aquatic toxicity:</b>                   | No further relevant information available. |
| · <b>Persistence and degradability</b>       | No further relevant information available. |
| · <b>Behaviour in environmental systems:</b> |  |
| · <b>Bioaccumulative potential</b>           | No further relevant information available. |

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- **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) in accordance with the RoHS Directive.
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### \*13 Pembuangan Limbah

- **Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of 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.
- **Additional information about the European waste catalogue:** Disposal should be carried out in compliance with the legal regulations after consultation with the competent local authority and the disposal company in a suitable facility approved for this purpose. According to EU Directive 2000/532/EC in conjunction with Directive 75/442/EEC, the assignment of a waste code number must be carried out on a sector-specific basis and in consultation with the regional disposal company.
- **Uncleaned packagings:** Void
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### 14 Informasi Transpor/Pengangkutan

|  |                 |
|--|-----------------|
| · <b>UN-Number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                                    | Void            |
| · <b>UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Void            |
| · <b>Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void            |
| · <b>Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void            |
| · <b>Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | No              |
| · <b>Special precautions for user</b>  | Not applicable. |

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|  |  |
|--|--|
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable.  |
| · Transport/Additional information:                                  | Not dangerous according to the above mentioned specifications. |
| · UN "Model Regulation":   | Void   |

### 15 Informasi yang Berkaitan dengan Regulasi

- 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  
avoids
- Additional classification according to Decree on Hazardous Materials, Annex III:  
Void
- Information about limitation of use:  
Void
- Decree to be applied in case of technical fault:  
Void
- Chemical safety assessment:  
A Chemical Safety Assessment has not been carried out.

### 16 Informasi Lain

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.

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.

- Department issuing data specification sheet:  
tesa SE, Corporate Regulatory Affairs
- Contact:  
tesa SE, Corporate Regulatory Affairs, Email: SDS@tesa.com, Tel.: +4940-88899-0
- 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  
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)  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative

- \* Data compared to the previous version altered.