

# Safety Data Sheet acc. to OSHA HCS

Printing date 01/22/2023

Reviewed on 01/22/2023

## \* 1 Identification

|                                              |                                                                                                                                                               |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · Product identifier                         |                                                                                                                                                               |
| · Trade name                                 | <b>tesa 54190</b>                                                                                                                                             |
| · Application of the substance / the mixture | Adhesive tape                                                                                                                                                 |
| · Manufacturer/Supplier:                     | tesa SE<br>Hugo-Kirchberg-Str. 1<br>D-22848 Norderstedt<br>Germany                                                                                            |
|                                              | Tel.: +49-40-88899-101                                                                                                                                        |
| · Informing department:                      | tesa SE, Corporate Regulatory Affairs<br>SDS@tesa.com, Tel.: +49-40-88899-6954                                                                                |
| · Emergency telephone number:                | 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 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<br>Fire = 0<br>Reactivity = 0                                                                                                                               |
| · HMIS ratings (scale 0-4)                   |  Health = 0<br>Fire = 0<br>Reactivity = 0                                                                                                                               |
| · Other hazards                              | 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. |
| · Results of PBT and vPvB assessment         |                                                                                                                                                                                                                                                            |
| · PBT:                                       | Not applicable.                                                                                                                                                                                                                                            |
| · vPvB:                                      | Not applicable.                                                                                                                                                                                                                                            |

## \* 3 Composition/information on ingredients

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| · Chemical characterization: Mixtures |                                                                         |
| · Description:                        | Carrier: Hard PVC film<br>Adhesive: Polyacrylate                        |
| · Dangerous components:               | Void                                                                    |
| · Additional information              | 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                | The product is not irritating to the skin.<br>Rinse with warm water. |
| · After eye contact                 | Void                                                                 |

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- |                                                                                                                                                                                                                                                                     |                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· After swallowing</li> <li>· Information for doctor</li> <li>· Most important symptoms and effects, both acute and delayed</li> <li>· Indication of any immediate medical attention and special treatment needed</li> </ul> | <p>Void</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|

### \* 5 Fire-fighting measures

- |                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· Extinguishing media</li> <li>· Suitable extinguishing agents</li> <li>· For safety reasons unsuitable extinguishing agents</li> <li>· Special hazards arising from the substance or mixture</li> </ul> | <p>Use fire fighting measures that suit the environment.</p> <p>Water with a full water jet.</p> <p>In the event of a fire may be released:<br/>Nitrogen oxides (NO<sub>x</sub>)<br/>Hydrogen chloride (HCl)<br/>Carbon monoxide (CO)<br/>Carbon dioxide (CO<sub>2</sub>)<br/>Under certain fire conditions, traces of other toxic substances cannot be excluded.</p> |
| <ul style="list-style-type: none"> <li>· Advice for firefighters</li> <li>· Protective equipment:</li> </ul>                                                                                                                                    | <p>Put on breathing apparatus.<br/>Do not inhale explosion gases or combustion gases.</p>                                                                                                                                                                                                                                                                             |

### 6 Accidental release measures

- |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· Personal precautions, protective equipment and emergency procedures</li> <li>· Environmental precautions:</li> <li>· Methods and material for containment and cleaning up:</li> <li>· Reference to other sections</li> </ul> | <p>Not required.</p> <p>No special measures required.</p> <p>Collect mechanically.</p> <p>No dangerous materials are released.</p> <p>See Section 7 for information on safe handling</p> <p>See Section 8 for information on personal protection equipment.</p> <p>See Section 13 for information on disposal.</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
- **Protective Action Criteria for Chemicals**

|                                    |
|------------------------------------|
| · <b>PAC-1:</b>                    |
| None of the ingredients is listed. |

|                                    |
|------------------------------------|
| · <b>PAC-2:</b>                    |
| None of the ingredients is listed. |

|                                    |
|------------------------------------|
| · <b>PAC-3:</b>                    |
| None of the ingredients is listed. |

### 7 Handling and storage

- |                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· Handling</li> <li>· Precautions for safe handling</li> <li>· Information about protection against explosions and fires:</li> <li>· Conditions for safe storage, including any incompatibilities</li> <li>· Storage</li> <li>· Requirements to be met by storerooms and containers:</li> </ul> | <p>No special measures required.</p> <p>No special measures required.</p> <p>No special requirements.</p> |
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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 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.
- **Eye protection:** Not required.

### \* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form:** Solid.
  - Colour:** Black
- **Smell:** Nearly odourless
- **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.

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|                                                   |                                                                  |
|---------------------------------------------------|------------------------------------------------------------------|
| · <b>Evaporation rate</b>                         | Not applicable.                                                  |
| · <b>Solubility in / Miscibility with Water:</b>  | Unsoluble                                                        |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                                                  |
| · <b>Viscosity:</b><br>dynamic:<br>kinematic:     | Not applicable.<br>Not applicable.                               |
| · <b>Solvent content:</b><br>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 Stability and reactivity

|                                                            |                                                       |
|------------------------------------------------------------|-------------------------------------------------------|
| · <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 Toxicological information

|                                                |                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · <b>Information on toxicological effects</b>  |                                                                                                                                                                                                                                                                                                                                                    |
| · <b>Acute toxicity:</b>                       |                                                                                                                                                                                                                                                                                                                                                    |
| · <b>Primary irritant effect:</b>              |                                                                                                                                                                                                                                                                                                                                                    |
| · <b>on the eye:</b>                           | No irritant effect.                                                                                                                                                                                                                                                                                                                                |
| · <b>Sensitization:</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:<br>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

|                                                                    |
|--------------------------------------------------------------------|
| · <b>IARC (International Agency for Research on Cancer)</b>        |
| None of the ingredients is listed.                                 |
| · <b>NTP (National Toxicology Program)</b>                         |
| None of the ingredients is listed.                                 |
| · <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b> |
| None of the ingredients is listed.                                 |

### 12 Ecological information

|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| · <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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|                                                                                                                         |                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · <b>Mobility in soil</b>                                                                                               | No further relevant information available.                                                                                                                 |
| · <b>Additional ecological information:</b>                                                                             |                                                                                                                                                            |
| · <b>According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:</b> | free of heavy metals (Pb, Cd, Hg, Cr6+)<br>Free of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) according to RoHS Directive. |
| · <b>General notes:</b>                                                                                                 | Generally not hazardous for water.                                                                                                                         |
| · <b>Results of PBT and vPvB assessment</b>                                                                             |                                                                                                                                                            |
| · <b>PBT:</b>                                                                                                           | Not applicable.                                                                                                                                            |
| · <b>vPvB:</b>                                                                                                          | Not applicable.                                                                                                                                            |
| · <b>Other adverse effects</b>                                                                                          | No further relevant information available.                                                                                                                 |

### \* 13 Disposal considerations

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · <b>Waste treatment methods</b> |                                                                                                                                                                                                                                                                                                                                                                                                           |
| · <b>Recommendation</b>          | Smaller quantities can be disposed with household garbage.<br>Energy recovery: The product can be applied to a suitable waste incineration plant for mixed waste.<br>Energy recovery by incineration in an approved waste incineration plant.<br>Consider the applicable regulations of the country, the State or local area.<br>For larger amounts of waste: consult the authorities prior the disposal. |
| · <b>Uncleaned packagings:</b>   | Void                                                                                                                                                                                                                                                                                                                                                                                                      |

### \* 14 Transport information

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

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### · Cancerogenity 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

#### · 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

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.

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

#### · Date of preparation / last revision

01/22/2023

#### · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
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)  
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

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