

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

Printing date 10.03.2023

Version number 12

Revision: 10.03.2023

1 Identifikasi Senyawa (Tunggal atau Campuran)


- **Product identifier**
- **Trade name** tesa 8684
- **Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Adhesive tape
- **Manufacturer/Supplier:** tesa SE
Hugo-Kirchberg-Strasse 1
D-22848 Norderstedt
Tel.: +49-40-88899-101
Germany
- **Informing department:** tesa SE, Corporate Regulatory Affairs
SDS@tesa.com, Tel.: +49-40-88899-6954
- **Emergency telephone number:** Reception Headquarters
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 Identifikasi Bahaya

- **Classification of the substance or mixture**



Skin Sens. 1 H317 May cause an allergic skin reaction.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

 GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:** 3,4-Epoxy(cyclohexan)methyl-3,4-epoxycyclohexyl carboxylat reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
- **Hazard statements** May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.
- **Precautionary statements** Avoid breathing dust/fume/gas/mist/vapours/spray.
Avoid release to the environment.
Wear protective gloves.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards** The product does not contain any elutable organically bound halogen compounds that can lead to an increase in the AOX value in the context of waste water analysis.

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- **Results of PBT and vPvB assessment**
- **PBT:** Not classified
- **vPvB:** Not classified

3 Komposisi /Informasi tentang Bahan Penyusun Senyawa Tunggal

- **Chemical characterisation: Mixtures**
- **Description:** Carrier: Polyester
 Reactive adhesive mass on epoxy resin basis

· Dangerous components:		
	3.4-Epoxy(cyclohexan)methyl-3.4-epoxycyclohexyl carboxylat ⚠ Skin Sens. 1, H317	<10%
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700) ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<10%
17455-13-9	1,4,7,10,13,16-hexaoxacyclooctadecane ⚠ Acute Tox. 3, H301	<1%

- **SVHC** Free from SVHC substances or < 0.1 %.
- **Regulation (EC) No 648/2004 on detergents / Labelling for contents** not applicable
- **Additional information** The product does not contain benzene
 The wording of the listed hazard statements can be found in section 16.

4 Tindakan Pertolongan Pertama pada Kecelakaan

- **Description of first aid measures**
- **After inhalation** Void
- **After skin contact** Wash off with soap and water.

 Skin contact with hot adhesive (from 45°C):
 Remove garments carefully to prevent heat build-up and afterburning. Do not remove clothing that has already bonded to the skin. Immediately rinse or shower the burnt parts of the body gently with cold water (15-20°C) for at least 15 minutes. The cold water treatment leads to pain relief and reduced oedema formation. This reduces the afterburn effect. Avoid hypothermia due to extensive application of cold water or ice water. Constantly check the vital functions of the burn victim. The first aider should not cover burnt skin areas with bandages or apply burn ointment. Avoid cooling. Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist.
- **After swallowing** Void
- **Information for occupational physician.**
- **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 Tindakan pemadaman kebakaran

- **Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
- **Special hazards arising from the substance or mixture** In the event of a fire, may be released:

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- **Advice for firefighters**
- **Protective equipment:**
 - Under certain fire conditions, traces of toxic substances cannot be ruled out, such as:
Nitrogen oxides (NO_x)
 - Under certain fire conditions, traces of other toxic substances cannot be excluded.
 - Put on breathing apparatus.
 - Do not inhale explosion gases or combustion gases.

6 Tindakan Penanggulangan jika terjadi Tumpahan dan Kebocoran

- **Personal precautions, protective equipment and emergency procedures**
 - Keep away from ignition sources
- **Environmental precautions:**
 - No special measures required.
- **Methods and material for containment and cleaning up:**
 - Dispose of contaminated material as waste according to section 13.
- **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.

7 Penanganan dan Penyimpanan

- **Handling**
- **Precautions for safe handling**
 - Heated product / material can lead to irreversible eye damage.
 - Heated product / material can cause severe burns on skin.
 - Keep away from heat and direct sunlight.
- **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:**
 - Void
- **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**
- **General protective and hygienic measures**
 - The usual precautionary measures should be adhered to in handling the chemicals.
 - Keep away from foodstuffs, beverages and food.
 - Instantly remove any contaminated garments.
 - Wash hands before breaks and at the end of the work.
 - Avoid contact with the eyes and skin.
- **Breathing equipment:**
 - Not required.

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· Protection of hands:


Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· 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:	White
· Smell:	Characteristic
· 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 determined.
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	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.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix
· Partition coefficient: n-octanol/water:	Not determined.

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· Viscosity: dynamic:	Not applicable.
kinematic:	Not applicable.
· Solvent content:	
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stabilitas dan Reaktivitas

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

11 Informasi Toksikologi

- Information on toxicological effects
- Acute toxicity

· LD/LC50 values that are relevant for classification:
ATE (Acute Toxicity Estimates)
Oral LD50 31,949 mg/kg

· Primary irritant effect:	
· Serious eye damage/irritation	No irritant effect.
· Respiratory or skin sensitisation	(Means the vapours, formed in the thermo setting process) Sensitizing effect by inhalation is possible by prolonged exposure. 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

12 Informasi Ekologi

· 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 polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in accordance with the RoHS Directive.

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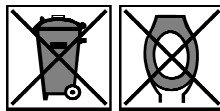
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- **General notes:** Not known to be hazardous to water.
 Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Pembuangan Limbah

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



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

- **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

14 Informasi Transpor/Pengangkutan

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

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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**
- **Additional classification according to Decree on Hazardous Materials, Annex III:** Void
- **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
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.

- **Relevant phrases** H301 Toxic if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
- **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)
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
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
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3