Safety Data Sheet
acc. to OSHA HCS

Printing date 03/10/2023 Reviewed on 03/10/2023

* 1 Identification

· **Product identifier**

· **Trade name** **tesa 69802, 69804, 69806, 69808, 69812**

· **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
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 Hazard(s) identification

· **Classification of the substance or mixture**

GHS07

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

· **Label elements**

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS07

· **Signal word** Warning

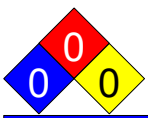
· **Hazard-determining components of labeling:** 2-Propenoic acid, reaction products with dipentaerythritol

· **Hazard statements** May cause an allergic skin reaction.

· **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system**

· **NFPA ratings (scale 0-4)**



Health = 0
Fire = 0
Reactivity = 0

· **HMIS ratings (scale 0-4)**

Health = 0
Fire = 0
Reactivity = 0

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· **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:** Adhesive: Polyacrylate
Cover: siliconized polyester film

· **Dangerous components:**

1384855-91-7	2-Propenoic acid, reaction products with dipentaerythritol Eye Irritation 2A, H319; Sensitization - Skin 1, H317	<10%
2768-02-7	trimethoxyvinylsilane Flammable Liquids 3, H226 Sensitization - Skin 1B, H317	<1%

· **Additional information** During the application of the tape, the polymerization of the residual monomers takes place under UV light.
The wording of the listed hazard statements can be found in section 16.

4 First-aid measures

· **Description of first aid measures**
· **General information** Consult a doctor if symptoms persist.
· **After inhalation** Void
· **After skin contact** Wash off with soap and water.
If skin irritation continues, consult a doctor.
· **After eye contact** Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist.
· **After swallowing** Not required for intended use
· **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.
· **Special hazards arising from the substance or mixture** In the event of a fire may be released:
Carbon monoxide (CO)
Carbon dioxide (CO_2)
Nitrogen oxides (NOx)
Under certain fire conditions, traces of other toxic substances cannot be excluded.
· **Advice for firefighters**
· **Protective equipment:** Put on breathing apparatus.

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Do not inhale explosion gases or combustion gases.

* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation
· **Environmental precautions:** No special measures required.
· **Methods and material for containment and cleaning up:** Collect mechanically.
· **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.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
2768-02-7	trimethoxyvinylsilane	9.5 ppm
123-86-4	n-butyl acetate	5 ppm
141-78-6	ethyl acetate	1,200 ppm
28182-81-2	Hexamethylen-1,6-diisocyanat, homopolymere	7.8 mg/m³

· **PAC-2:**		
2768-02-7	trimethoxyvinylsilane	100 ppm
123-86-4	n-butyl acetate	200 ppm
141-78-6	ethyl acetate	1,700 ppm
28182-81-2	Hexamethylen-1,6-diisocyanat, homopolymere	86 mg/m³

· **PAC-3:**		
2768-02-7	trimethoxyvinylsilane	120 ppm
123-86-4	n-butyl acetate	3000* ppm
141-78-6	ethyl acetate	10000** ppm
28182-81-2	Hexamethylen-1,6-diisocyanat, homopolymere	510 mg/m³

7 Handling and storage

· **Handling**
· **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
· **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:** Protect from heat and direct sunlight.
Keep container tightly sealed.
· **Specific end use(s)** No further relevant information available.

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* 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:** Use breathing protection in case of insufficient ventilation.
· **Protection of hands:**

Protective gloves.

· **Material of gloves** Select glove type according to glove schedule
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 following questions are determined by the responsible safety department of the production company:
- the exact type of protective gloves (if necessary, in clarification with the glove manufacturer)
- the maximum wearing time
- whether the glove may be reused (if so, how often)
The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

· **Eye protection:**

Safety glasses

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Solid.
Colour:	transparent
· **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.

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· **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.
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity**	Polymerization under UV light.
· **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**	Protect from direct light.
· **Incompatible materials:**	No further relevant information available.
· **Hazardous decomposition products:**	No dangerous decomposition products known

* 11 Toxicological information

· **Information on toxicological effects**	
· **Acute toxicity:**	
· **Primary irritant effect:**	
· **on the eye:**	No irritant effect.
· **Sensitization:**	Sensitization possible by skin contact.
· **Additional toxicological information:**	The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: Irritant

· **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.

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· **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:** 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 Disposal considerations

· **Waste treatment methods**
· **Recommendation** 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.
Can be applied to a thermal treatment of waste in a waste incineration plant. The country-specific rules and conditions of acceptance has to be clarified with the waste disposal contractor and, if necessary with the competent authority.
· **Uncleaned packagings:** Void

* 14 Transport information

· **UN-Number**
· **DOT, ADR, 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

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· **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.

· **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**

· **TSCA**

28961-43-5	propylidynetrimethanol, ethoxylated, esters with acrylic acid

· **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.

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· **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** 03/10/2023
· **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)
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
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
Flammable Liquids 3: Flammable liquids – Category 3
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - Skin 1: Skin sensitisation – Category 1
Sensitization - Skin 1B: Skin sensitisation – Category 1B

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