

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/21/2023

Reviewed on 07/21/2023

* 1 Identification

· Product identifier

· Trade name

tesa 74110 Twinlock Activator Wave

· Application of the substance / the mixture

Coating material
Priming

· 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



GHS02 Flame

Flammable Liquids 3

H226 Flammable liquid and vapor.



GHS07

Acute Toxicity - Inhalation 4

H332 Harmful if inhaled.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

· Label elements

· GHS label elements

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

· Hazard pictograms



GHS02

GHS07

· Signal word

Warning

· Hazard-determining components of labeling:

· Hazard statements

1-methoxypropan-2-ol
Flammable liquid and vapor.
Harmful if inhaled.

· Precautionary statements

May cause drowsiness or dizziness.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only outdoors or in a well-ventilated area.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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- Classification system
- NFPA ratings (scale 0-4)



Health = 0
Fire = 3
Reactivity = 0

- HMIS ratings (scale 0-4)



Health = 1
Fire = 3
Reactivity = 0

- Other hazards

The product does not contain any elutable organically bound halogen compounds which may lead to an increase in the AOX value during wastewater analysis.

- Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Solvent mixture with additives.
- Characterisation equipment, container: None

- Dangerous components:

107-98-2	1-methoxypropan-2-ol	<100%
	Flammable Liquids 3, H226 Specific Target Organ Toxicity - Single Exposure 3, H336	

- 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 Instantly remove any clothing soiled by the product.
- After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness bring patient into stable side position for transport.
- After skin contact Instantly wash with water and soap and rinse thoroughly.
- After swallowing Consult a doctor if symptoms persist
- Information for doctor
- Most important symptoms and effects, both acute and delayed May cause drowsiness / dizziness.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.
- Special hazards arising from the substance or mixture In the event of a fire may be released:
Nitrogen oxides (NO_x)
Under certain fire conditions, traces of other toxic substances cannot be excluded.

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· 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

· Environmental precautions:

Wear protective equipment. Keep unprotected persons away.



Prevent material from reaching sewage system, holes and cellars.

Dilute with much water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

· 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:

All components have the value 100 ppm.

· PAC-2:

All components have the value 160 ppm.

· PAC-3:

All components have the value 660 ppm.

* 7 Handling and storage

· Handling

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about protection against explosions and fires:



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Handle only outside or in explosion protected rooms.

Fumes can combine with air to form an explosive mixture.

· 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:

Prohibition of co-storage with substances of storage classes 1, 2A, 4.1A, 4.1B, 4.2, 4.3, 5.1A, 5.1C, 5.2, 6.1B, 6.2, 7

Restrictions on storage together with substances of storage classes 5.1B, 6.1A, 6.1D, 11

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Further information about storage conditions:

Store container in a well ventilated position.
Keep container tightly sealed.
Store only outside or in explosion proof rooms.
When storing flammable liquids, the national laws must be observed!

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 section 7.

Control parameters

Components with critical values that require monitoring at the workplace:

107-98-2 1-methoxypropan-2-ol

REL	Short-term value: 540 mg/m ³ , 150 ppm Long-term value: 360 mg/m ³ , 100 ppm
TLV	Short-term value: 100 ppm Long-term value: 50 ppm
A4	

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.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.

Breathing equipment:

Use respiratory protection with filter A 2.
Not necessary if room is well-ventilated.



In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Protection of hands:



Solvent resistant gloves

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

Butyl rubber, BR

Use solvent resistant 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

Butyl rubber (layer thickness min. 0.3 mm) max. 15 minutes

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

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- As protection from splashes gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)
- Not suitable are gloves made of the following materials: Nitrile rubber, NBR
Natural rubber, NR
Neoprene gloves
- Eye protection: Safety glasses recommended during refilling.



Safety glasses

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	According to product specification
· Smell:	Characteristic
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	120.3 °C (248.5 °F)
· Flash point:	35 °C (95 °F)
· Inflammability (solid, gaseous)	Not applicable.
· Auto igniting:	270 °C (518 °F)
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion:	
Lower:	2.3 Vol %
Upper:	~20 Vol %
· Steam pressure at 20 °C (68 °F):	13 hPa (9.8 mm Hg)
· Density at 20 °C (68 °F)	0.962 g/cm³ (8.02789 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Soluble
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic:	Not determined.

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kinematic:	Not determined.
· Solvent content:	
Organic solvents:	50.0 %
· 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
- **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)

Inhalative LC50/ 4 h 12 mg/l (rat)

- **Primary irritant effect:**
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:** Harmful
- **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:**
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

* 13 Disposal considerations

- **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.

- **Uncleaned packagings:**
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

* 14 Transport information

· UN-Number	
· DOT, ADR, IMDG, IATA	UN3092
· UN proper shipping name	
· DOT	1-Methoxy-2-propanol solution
· ADR, IATA	1-METHOXY-2-PROPANOL solution
· IMDG	1-METHOXY-2-PROPANOL solution, MARINE POLLUTANT
· Transport hazard class(es)	
· DOT	
	
· Class	3 Inflammable liquids
· Label	3
· ADR	
	
· Class	3 (F1) Inflammable liquids
· Label	3
· IMDG	
	
· Class	3 Inflammable liquids

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· Label	3
· IATA	
	
· Class	3 Inflammable liquids
· Label	3
· Packing group	
· DOT, ADR, IMDG, IATA	III
· Environmental hazards:	
· Marine pollutant:	Yes (DOT) Symbol (fish and tree)
· Special precautions for user	Warning: Inflammable liquids
· Kemler Number:	30
· EMS Number:	F-E,S-D
· Stowage Category	A
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· Remarks:	Special marking with the symbol (fish and tree).
· ADR	
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 3092 1-METHOXY-2-PROPANOL SOLUTION, 3, III

*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.

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

None of the ingredients is listed.

· National regulations

· **Information about limitation of use:** Employment restrictions concerning young persons must be observed.

· Decree to be applied in case of technical fault:

Critical quantity values according to the regulations on accidents should be adhered to.

· Technical instructions (air):

Class	Share in %
NK	50.0

· Other regulations, limitations and prohibitive regulations

· TSCA

107-98-2 1-methoxypropan-2-ol

· 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.

· Department issuing data specification sheet:

tesa SE, Corporate Regulatory Affairs

· Contact:

tesa SE, Corporate Regulatory Affairs, Email: SDS@tesa.com, Tel.: +4940-88899-0 07/21/2023

· Date of preparation / last revision

· 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)
 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
 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
 Acute Toxicity - Inhalation 4: Acute toxicity – Category 4
 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

· * Data compared to the previous version altered.