

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 12.07.2023

Version number 21 (replaces version 20)

Revision: 12.07.2023

* SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· Trade name

tesa 74100 Twinlock Activator

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

· Product category

PC9a Coatings and paints, thinners, paint removers

PC14 Metal surface treatment products

PC35 Washing and cleaning products (including solvent based products)

PC1 Adhesives, sealants

· Process category

PROC19 Manual activities involving hand contact

· Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC9a Widespread use of functional fluid (indoor)

ERC7 Use of functional fluid at industrial site

Adhesion promotor

· Technical function

· Application of the substance / the mixture

Priming

· 1.3 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

· 1.4 Emergency telephone number:

Poisons Information Centre in Germany:

Poison Information Centre North

Centre of Pharmacology and Toxicology of University Goettingen

Robert-Koch Strasse 40, D-37075 Goettingen

Telephone: +49 551 38 31 80

Emergency telephone: +49 551 19240 (24 hours available)

Poisons Information Centres in Europe:

see WHO website:

<http://www.who.int/ipcs/poisons/centre/directory/euro/en/>

UNITED KINGDOM:

The UK National Poisons Emergency number is 0870 600 6266

London:

Emergency 24 hour telephone: +44 (0)20 7188 0100

Guy's & St Thomas' Poisons Unit

Medical Toxicology Information Services

Mary Sheridan House, Guy's Hospital, Great Maze Pond, London SE1 9RT

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)

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SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



STOT SE 3 H336 May cause drowsiness or dizziness.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms

The product is classified and labelled according to the GB CLP regulation.



GHS02 GHS07

- Signal word
- Hazard-determining components of labelling:
- Hazard statements

Warning

- Precautionary statements

1-methoxypropan-2-ol
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P271 Use only outdoors or in a well-ventilated area.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT:
- vPvB:

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.

Not classified

Not classified



SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description:
- Characterisation equipment, container:

Solvent mixture with additives.

None

- Dangerous components:

CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-XXXX	1-methoxypropan-2-ol	 Flam. Liq. 3, H226  STOT SE 3, H336	0-<100%
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- Regulation (EC) No 648/2004 on detergents / Labelling for contents not applicable

* SECTION 4: First aid measures


- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult physician in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After swallowing** Consult a doctor if symptoms persist
- **4.2 Most important symptoms and effects, both acute and delayed** May cause drowsiness / dizziness.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

* SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture** In the event of a fire, may be released:
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Under certain fire conditions, traces of other toxic substances cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **6.2 Environmental precautions:**



Wear protective equipment. Keep unprotected persons away.

Prevent material from reaching sewage system, holes and cellars.

Dilute with much water.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **6.4 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.

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* SECTION 7: Handling and storage

- **7.1 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.
- **7.2 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:**

Prohibitions on mixed 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 mixed storage with substances of storage classes 5.1B, 6.1A, 6.1D, 11
- **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!
- **7.3 Specific end use(s)** No further relevant information available.

* SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components with critical values that require monitoring at the workplace:

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

WEL	Short-term value: 560 mg/m ³ , 150 ppm
	Long-term value: 375 mg/m ³ , 100 ppm
Sk	

- **DNELs**

DNEL 369 mg/m³ human, inhalation worker (industry) chronic-systemic effects
DNEL 553.5 mg/m³ man, inhalation worker (industry) acute systemic effects
DNEL 553.5 mg/m³ human, inhalation worker (industry) acute-local effects
DNEL 183 mg/kg LG/day human, dermal worker (industry) chronic-systemic effects
- **PNECs**

PNEC 100 mg/l water intermittent release
PNEC 10 mg/l fresh water short term (one time only)
PNEC 1 mg/l seawater short term (one time only)
PNEC 100 mg/l waste water treatment plant (STP) short term (one-off)
PNEC 52,3 mg/kg fresh water sediment short term (one-off)
PNEC 5,2 mg/kg marine sediment short term (one-off)
PNEC 4,59 mg/kg soil short term (one-off)
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures** The usual precautionary measures should be adhered to in handling the chemicals.

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· Breathing equipment:

Instantly remove any contaminated garments.
Wash hands before breaks and at the end of the work.
Use respiratory protection with filter A 2.
Not necessary if room is well-ventilated.



In case of short term exposure use respiratory protection. In case of intensive or longer exposure use respiratory protection equipment independent from ambient air.

· Hand protection



Solvent resistant 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.

· 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/face protection

Safety glasses recommended during refilling.

· Body protection:

Chemical resistant work clothing.

Work clothes (closed, long-sleeved)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

liquid

· Colour:

Without color / not defined

· Smell:

Alcohol-like

· Odour threshold:

Not determined.

· Melting point/freezing point:

-96.7 °C

· Boiling point or initial boiling point and boiling range

120.3 °C

· Flammability

Flammable.

· Lower and upper explosion limit

· Lower:

2.3 Vol %

· Upper:

~20 Vol %

· Flash point:

35 °C

· Auto-ignition temperature:

270 °C

· Decomposition temperature:

Not determined.

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· pH at 20 °C	4-7
· Viscosity:	
· Kinematic viscosity	Not determined.
· Kinematic viscosity	
· dynamic at 20 °C:	1.9 mPas
· Solubility	
· Water:	Soluble
	Not determined.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Steam pressure at 20 °C:	13 hPa
· Vapour pressure:	
· Density and/or relative density	
· Density at 20 °C	0.92 g/cm ³
	Not determined
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Liquid
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Not determined.
· Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Solvent content:	
· Organic solvents:	51-101 %
· Molecular weight	90.12 g/mol
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity

No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**
- None of the ingredients is listed.

* SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:** Free from heavy metals (Pb, Cd, Hg, CrVI)
Free of polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in accordance with the RoHS Directive.
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

* SECTION 13: Disposal considerations

- **13.1 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

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be carried out on a sector-specific basis and in consultation with the regional disposal company.

- **Uncleaned packagings:** Void
- **Recommendation:** Disposal according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

* SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR, IMDG, IATA	UN3092
· 14.2 UN proper shipping name	
· ADR, IMDG, IATA	1-METHOXY-2-PROPANOL
· 14.3 Transport hazard class(es)	
· ADR	
	
· Class	3 (F1) Flammable liquids.
· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	Yes
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Page:	30
· EMS Number:	F-E,S-D
· Stowage Category	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· 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
· Transport category	3
· Tunnel restriction code	D/E

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· 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, 3, III

* SECTION 15: Regulatory information

- **15.1 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.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **National regulations** avoids
- **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	95.0
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

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** H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
- **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:**
 - 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
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - 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)
 - DNEL: Derived No-Effect Level (UK REACH)
 - PNEC: Predicted No-Effect Concentration (UK REACH)
 - PBT: Persistent, Bioaccumulative and Toxic

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vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· * Data compared to the previous
version altered.

GB
