

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/12/2023

Reviewed on 07/12/2023

* 1 Identification

- **Product identifier**
- **Trade name** **tesa 74100 Twinlock Activator**
- **Application of the substance / the mixture** Priming
- **Manufacturer/Supplier:** tesa SE Tel.: +49-40-88899-101
Hugo-Kirchberg-Str. 1
D-22848 Norderstedt
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 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 3

H226 Flammable liquid and vapor.



GHS07

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

- **Label elements**
- **GHS label elements**
- **Hazard pictograms**

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



GHS02

GHS07

- **Signal word**
- **Hazard-determining components of labeling:**
- **Hazard statements**
- **Precautionary statements**

Warning

1-methoxypropan-2-ol

Flammable liquid and vapor.

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.

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



Health = 0

Fire = 3

Reactivity = 0

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· HMIS ratings (scale 0-4)

HEALTH	0	Health = 0
FIRE	3	Fire = 3
REACTIVITY	0	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	0-<100%
	 Flammable Liquids 3, H226	
	 Specific Target Organ Toxicity - Single Exposure 3, H336	

* 4 First-aid measures

· 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
- 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.

· For safety reasons unsuitable extinguishing agents

Water with a full water jet.

· Special hazards arising from the substance or mixture

In the event of a fire may be released:
Nitrogen oxides (NOx)
Carbon monoxide (CO)
Carbon dioxide (CO2)
Under certain fire conditions, traces of other toxic substances cannot be excluded.

· Advice for firefighters

- Protective equipment: Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.

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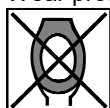
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* 6 Accidental release measures

· 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:

107-98-2	1-methoxypropan-2-ol	100 ppm
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· PAC-2:

107-98-2	1-methoxypropan-2-ol	160 ppm
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· PAC-3:

107-98-2	1-methoxypropan-2-ol	660 ppm
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* 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

· 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!

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· **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/m³, 150 ppm
Long-term value: 360 mg/m³, 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

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

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· **Eye protection:** Safety glasses recommended during refilling.

* 9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	Without color / not defined
· Smell:	Alcohol-like
· Odor threshold:	Not determined.
· pH-value at 20 °C (68 °F):	4-7
· Change in condition	
Melting point/Melting range:	-96.7 °C (-142.1 °F)
Boiling point/Boiling range:	120.3 °C (248.5 °F)
· Flash point:	35 °C (95 °F)
· Inflammability (solid, gaseous)	Flammable.
· Auto igniting:	270 °C (518 °F)
· Decomposition temperature:	Not determined.
· Self-inflammability:	Not determined.
· 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)	0.92 g/cm ³ (7.6774 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Soluble
	Not determined.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic at 20 °C (68 °F):	1.9 mPas
kinematic:	Not determined.
· Solvent content:	
Organic solvents:	51-101 %
· Other information	No further relevant information available.

10 Stability and reactivity

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

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- **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:**
- **Primary irritant effect:**
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**

- **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:**
- **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) according to RoHS Directive.
- **General notes:** 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.

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*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:

Void
Water, if necessary with cleaning agent.

*14 Transport information

· UN-Number	UN3092
· DOT, ADR, IMDG, IATA	
· UN proper shipping name	1-Methoxy-2-propanol
· DOT	1-METHOXY-2-PROPANOL
· ADR, IMDG, IATA	
· Transport hazard class(es)	
· DOT	
	
· Class	3 Inflammable liquids
· Label	3
· ADR	
	
· Class	3 (F1) Inflammable liquids
· Label	3
· IMDG, IATA	
	
· Class	3 Inflammable liquids
· Label	3
· Packing group	
· DOT, ADR, IMDG, IATA	III
· Environmental hazards:	
· Marine pollutant:	Yes
· Special precautions for user	Warning: Inflammable liquids
· Kemler Number:	30

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· 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
· 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, 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.

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

None of the ingredients is listed.

· 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

· Other regulations, limitations and prohibitive regulations

· TSCA

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

7732-18-5 water, distilled, conductivity or of similar purity

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· 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
· Date of preparation / last revision	07/12/2023
· 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 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 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

· * Data compared to the previous version altered.