

# Safety Data Sheet

acc. to OSHA HCS

Printing date 07/26/2023

Reviewed on 07/26/2023

## \* 1 Identification

### · Product identifier

### · Trade name

**tesa 60120 Primer Pen 86A schwarz**

### · 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 2

H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 1A

H350 May cause cancer.



GHS05 Corrosion

Eye Damage 1

H318 Causes serious eye damage.



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



GHS05



GHS07



GHS08

### · Signal word

Danger

### · Hazard-determining components of labeling:

propan-1-ol

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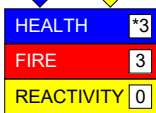
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· <b>Hazard statements</b>	propan-2-ol ethanol Highly flammable liquid and vapor. Harmful if inhaled. Causes serious eye damage. May cause cancer. May cause drowsiness or dizziness.
· <b>Precautionary statements</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 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. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor/Product Safety Department. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.
· <b>Classification system</b>	
· <b>NFPA ratings (scale 0-4)</b>	 Health = 3 Fire = 3 Reactivity = 0
· <b>HMIS ratings (scale 0-4)</b>	 Health = *3 Fire = 3 Reactivity = 0
· <b>Other hazards</b>	The product does not contain any elutable organically bound halogen compounds which may lead to an increase in the AOX value during wastewater analysis.
· <b>Results of PBT and vPvB assessment</b>	
· <b>PBT:</b>	Not applicable.
· <b>vPvB:</b>	Not applicable.

## 3 Composition/information on ingredients

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

· <b>Dangerous components:</b>		
67-63-0	propan-2-ol  Flammable Liquids 2, H225  Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	0-<100%
71-23-8	propan-1-ol  Flammable Liquids 2, H225  Acute Toxicity - Inhalation 3, H331  Eye Damage 1, H318  Specific Target Organ Toxicity - Single Exposure 3, H336	0-<50%
64-17-5	ethanol  Flammable Liquids 2, H225  Carcinogenicity 1A, H350	0-<2.5%

- **Additional information** The wording of the listed hazard statements can be found in section 16.

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### 4 First-aid measures

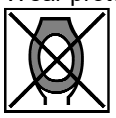
- **Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult physician in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **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** CO<sub>2</sub>, 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<sub>x</sub>)  
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.

### 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).  
Apply neutralizing agent.  
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:

67-63-0	propan-2-ol	400 ppm
71-23-8	propan-1-ol	250 ppm
64-17-5	ethanol	1,800 ppm

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· <b>PAC-2:</b>		
67-63-0	propan-2-ol	2000* ppm
71-23-8	propan-1-ol	670 ppm
64-17-5	ethanol	3300* ppm
· <b>PAC-3:</b>		
67-63-0	propan-2-ol	12000** ppm
71-23-8	propan-1-ol	4000* ppm
64-17-5	ethanol	15000* 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:

Store in cool location.

#### · 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 in cool, dry conditions in well sealed containers.  
Store only outside or in explosion proof rooms.  
When storing flammable liquids, the national laws must be observed!  
No further relevant information available.

#### · Specific end use(s)

## \* 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:

<b>67-63-0 propan-2-ol</b>	
PEL	Long-term value: 980 mg/m³, 400 ppm

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REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4
<b>71-23-8 propan-1-ol</b>	
PEL	Long-term value: 500 mg/m <sup>3</sup> , 200 ppm
REL	Short-term value: 625 mg/m <sup>3</sup> , 250 ppm Long-term value: 500 mg/m <sup>3</sup> , 200 ppm Skin
TLV	Long-term value: 100 ppm A4
<b>64-17-5 ethanol</b>	
PEL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV	Short-term value: 1000 ppm A3
<b>Ingredients with biological limit values:</b>	
<b>67-63-0 propan-2-ol</b>	
BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)

· **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 soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **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

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- **Penetration time of glove material** immediately.  
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 protection:** Safety glasses recommended during refilling.



Safety glasses

### 9 Physical and chemical properties

· <b>Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	Liquid
Colour:	Black
· Smell:	Product specific
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· <b>Change in condition</b>	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	82 °C (179.6 °F)
· Flash point:	13 °C (55.4 °F)
· Inflammability (solid, gaseous)	Not applicable.
· Auto igniting:	360 °C (680 °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.
· <b>Critical values for explosion:</b>	
Lower:	2 Vol %
Upper:	13.5 Vol %
· Steam pressure at 20 °C (68 °F):	48 hPa (36 mm Hg)
· Density at 20 °C (68 °F)	0.82 g/cm³ (6.8429 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.

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· <b>Solubility in / Miscibility with Water:</b>	Soluble
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b> dynamic: kinematic:	Not determined. Not determined.
· <b>Solvent content:</b> Organic solvents:	83.3-100 %
<b>Solids content:</b>	0.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

· <b>Reactivity</b>	No further relevant information available.
· <b>Chemical stability</b>	
· <b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
· <b>Possibility of hazardous reactions</b>	No dangerous reactions known
· <b>Conditions to avoid</b>	No further relevant information available.
· <b>Incompatible materials:</b>	No further relevant information available.
· <b>Hazardous decomposition products:</b>	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 16.7-21 mg/l (rat)

· **Primary irritant effect:**

· **on the eye:** Strong irritant with the danger of severe eye injury.

· **Sensitization:** No sensitizing effect known.

· **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:

Harmful

Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

67-63-0 propan-2-ol

3

64-17-5 ethanol

1

· **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:**
- **General notes:** Must not reach sewage water or drainage ditch undiluted or unneutralized.  
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**



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

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>   | <p>UN1866</p>  |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>DOT</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul> | <p>Resin solution<br/>RESIN SOLUTION, (vapour pressure at 50°C not more than 110 kPa)<br/>RESIN SOLUTION</p> |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>DOT</b></li> </ul>   | <p>3</p>   |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> </ul>  | <p>3 Inflammable liquids</p>   |



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· Label	3
· ADR	
	
· Class	3 (F1) Inflammable liquids
· Label	3
· IMDG, IATA	
	
· Class	3 Inflammable liquids
· Label	3
· Packing group	
· DOT, ADR, IMDG, IATA	II
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Inflammable liquids
· Kemler Number:	33
· EMS Number:	F-E, S-E
· Stowage Category	B
· 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: 5 L On cargo aircraft only: 60 L
· ADR	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1866 RESIN SOLUTION (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II

## \*15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Hazardous Air Pollutants

None of the ingredients is listed.

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## · Cancerogenity categories

### · TLV (Threshold Limit Value)

67-63-0	propan-2-ol	A4
71-23-8	propan-1-ol	A4
64-17-5	ethanol	A3

### · MAK (German Maximum Workplace Concentration)

64-17-5	ethanol	5
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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	100.0

## · Other regulations, limitations and prohibitive regulations

### · TSCA

67-63-0	propan-2-ol
71-23-8	propan-1-ol
64-17-5	ethanol

### · SARA Section 313

67-63-0	propan-2-ol
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### · SARA section 355

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### · Proposition 65 - Cancer

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· **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 07/26/2023

· **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)

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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  
BEI: Biological Exposure Limit  
Flammable Liquids 2: Flammable liquids – Category 2  
Acute Toxicity - Inhalation 3: Acute toxicity – Category 3  
Acute Toxicity - Inhalation 4: Acute toxicity – Category 4  
Eye Damage 1: Serious eye damage/eye irritation – Category 1  
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A  
Carcinogenicity 1A: Carcinogenicity – Category 1A  
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

· \* Data compared to the previous  
version altered.

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