

Safety Data Sheet acc. to OSHA HCS

Printing date 03/10/2023

Reviewed on 03/10/2023

* 1 Identification

- **Product identifier**
- **Trade name** **tesa 60151**
- **Article number:** 60151-00000-00
- **Application of the substance / the mixture** Coating material
Priming
Intermediate
- **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 2

H225 Highly flammable liquid and vapor.



GHS07

Eye Irritation 2A

H319 Causes serious eye irritation.

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**

Danger

- **Hazard-determining components of labeling:**

propan-2-ol

- **Hazard statements**

Highly flammable liquid and vapor.

Causes serious eye irritation.

May cause drowsiness or dizziness.

- **Precautionary statements**

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.

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Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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


 Health = 2
 Fire = 3
 Reactivity = 0

- HMIS ratings (scale 0-4)


 Health = 2
 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.
Mixture of Isopropyl alcohol and a silane
Gemisch aus Isopropanol und einem Silan

- Dangerous components:

67-63-0	propan-2-ol  Flammable Liquids 2, H225  Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	<100%
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane  Acute Toxicity - Oral 3, H301  Germ Cell Mutagenicity 2, H341  Eye Irritation 2A, H319	<1%

- 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; 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. Consult a doctor if symptoms persist.

- 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.

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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 (NO_x)
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.
- **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:

67-63-0	propan-2-ol	400 ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	9.3 mg/m ³

· PAC-2:

67-63-0	propan-2-ol	2000* ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	100 mg/m ³

· PAC-3:

67-63-0	propan-2-ol	12000** ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	230 mg/m ³

* 7 Handling and storage

- **Handling**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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· **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:**

 void
 void

· **Further information about storage conditions:**

Keep container tightly sealed.
 Store in cool, dry conditions in well sealed containers.
 Store only outside or in explosion proof rooms.
 Storing flammable liquids the National regulations have to be fulfilled!
 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 item 7.

· **Control parameters**

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

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
 At this time, the remaining constituent has no known exposure limits.

67-63-0 propan-2-ol

PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4

· **Ingredients with biological limit values:**

67-63-0 propan-2-ol

BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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· **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.

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<ul style="list-style-type: none"> · Breathing equipment: · Protection of hands: · Material of gloves · Penetration time of glove material · Eye protection: 	<p>Wash hands during breaks and at the end of the work. Avoid contact with the eyes.</p> <p>filter A</p> <p> 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.</p> <p> Protective gloves.</p> <p>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</p> <p>Butyl rubber, BR Nitrile protective gloves 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.</p> <p>The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.</p> <p>Safety glasses recommended during refilling.</p> <p> Safety glasses</p>
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* 9 Physical and chemical properties

<ul style="list-style-type: none"> · 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.
<ul style="list-style-type: none"> · Change in condition 	
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:	425 °C (797 °F)
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.

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· Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Critical values for explosion:	
Lower:	2 Vol %
Upper:	12 Vol %
· Steam pressure at 20 °C (68 °F):	48 hPa (36 mm Hg)
· Density at 20 °C (68 °F)	0.80685 g/cm ³ (6.73316 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· Solvent content:	
Organic solvents:	90.0 %
Water:	9.5 %
· 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)

Oral	LD50	20,000 mg/kg
Inhalative	LC50/ 4 h	33.3 mg/l (rat)

· **Primary irritant effect:**

· **on the eye:**

Irritant effect.

· **Sensitization:**

No sensitizing effect known.

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· 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)

67-63-0	propan-2-ol	3
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· 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 of heavy metals (Pb, Cd, Hg, Cr6+)

Free of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) according to RoHS Directive.

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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:

Void

* 14 Transport information

· UN-Number
· DOT, ADR, IMDG, IATA

UN1219

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<ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR, IMDG, IATA 	Isopropanol ISOPROPANOL (ISOPROPYL ALCOHOL)
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	3 Inflammable liquids 3
<ul style="list-style-type: none"> · ADR 	3 (F1) Inflammable liquids 3
<ul style="list-style-type: none"> · IMDG, IATA 	3 Inflammable liquids 3
<ul style="list-style-type: none"> · Packing group · DOT, ADR, IMDG, IATA 	II
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · Special precautions for user · Kemler Number: · EMS Number: · Stowage Category 	Warning: Inflammable liquids 3 F-E,S-D B
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: · DOT · Quantity limitations 	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
<ul style="list-style-type: none"> · ADR · Excepted quantities (EQ) 	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p>1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p>UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL), 3, II</p>

*** 15 Regulatory information**

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

<ul style="list-style-type: none"> · Hazardous Air Pollutants 	<p>None of the ingredients is listed.</p>
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· **Carcinogenicity categories**

<ul style="list-style-type: none"> · TLV (Threshold Limit Value) 	<p>67-63-0 propan-2-ol A4</p>
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· **MAK (German Maximum Workplace Concentration)**

<ul style="list-style-type: none"> · MAK (German Maximum Workplace Concentration) 	<p>None of the ingredients is listed.</p>
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

<ul style="list-style-type: none"> · NIOSH-Ca (National Institute for Occupational Safety and Health) 	<p>None of the ingredients is listed.</p>
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· **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	90.0

· **Other regulations, limitations and prohibitive regulations**

<ul style="list-style-type: none"> · TSCA 	<p>67-63-0 propan-2-ol 7732-18-5 water, distilled, conductivity or of similar purity</p>
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· **SARA Section 313**

<ul style="list-style-type: none"> · SARA Section 313 	<p>67-63-0 propan-2-ol</p>
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· **SARA section 355**

<ul style="list-style-type: none"> · SARA section 355 	<p>-</p>
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· **Proposition 65 - Cancer**

<ul style="list-style-type: none"> · Proposition 65 - Cancer 	<p>-</p>
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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

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- **Date of preparation / last revision** 03/10/2023
- **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)
 - 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 - Oral 3: Acute toxicity – Category 3
 - Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
 - Germ Cell Mutagenicity 2: Germ cell mutagenicity – Category 2
 - Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

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