SECTION 1: Identification of the substance/mixture and of the company/legal entity

1.1 Product identifier

- **Trade name**: tesa 60150

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

No further relevant information available.

- **Application of the substance / the mixture**
  - Coating material
  - Priming
  - Intermediate

1.3 Manufacturer/Supplier:

- **tesa SE**
  - Hugo-Kirchberg-Strasse 1
  - D-22848 Norderstedt
  - Germany

- **Informing department**:
  - tesa SE, quality management/environment/occupational safety, Dr. Dirk Lamm
    - Dirk.Lamm@tesa.com, Tel.: +49-40-88899-2977
  - tesa SE, quality management/environment/occupational safety, Dr. Anja Koeth
    - Anja.Koeth@tesa.com, Tel.: +49-40-88899-3938

1.4 Emergency telephone number:

- **tesa SE, Hugo-Kirchberg-Str. 1, D-22848 Norderstedt**
- **Security Center Phone**: +49-40-88899-0 or +49-40-88899-9111
- **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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008**

  - GHS02 flame
    - Flam. Liq. 2 H225 Highly flammable liquid and vapour.

  - GHS08 health hazard
    - Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

  - GHS09 environment
    - Aquatic Acute 1 H400 Very toxic to aquatic life.
    - Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

  - GHS07
    - Skin Irrit. 2 H315 Causes skin irritation.
    - Eye Irrit. 2 H319 Causes serious eye irritation.
    - 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 CLP regulation.

- Signal word
  Danger
- Hazard-determining components of labelling:
  - cyclohexane
  - ethylbenzene
  - 64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)
- Hazard statements
  - H225 Highly flammable liquid and vapour.
  - H315 Causes skin irritation.
  - H319 Causes serious eye irritation.
  - H336 May cause drowsiness or dizziness.
  - H304 May be fatal if swallowed and enters airways.
  - H410 Very toxic to aquatic life with long lasting effects.
- Precautionary statements
  - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
  - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P362+P364 Take off contaminated clothing and wash it before reuse.
  - P405 Store locked up.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Additional information:
  Contains reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700). May produce an allergic reaction.
- 2.3 Other hazards
  The preparation contains no elutable organic halogene compounds, which increases the AOX values.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description:
  Solvent mixture with additives.
  Adhesion Promoter
Characterisation equipment, container:
  None

<table>
<thead>
<tr>
<th>Dangerous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 110-82-7</td>
<td>cyclohexane</td>
</tr>
<tr>
<td>EINECS: 203-806-2</td>
<td>Flam. Liq. 2, H225</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119463273-41-XXXX</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td></td>
<td>Aquatic Acute 1, H400; Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, H315; STOT SE 3, H336</td>
</tr>
<tr>
<td>CAS: 1330-20-7</td>
<td>xylene, mixed isomers, pure</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119488216-32-XXXX</td>
<td>Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td>&lt;50%</td>
</tr>
<tr>
<td></td>
<td>&lt;25%</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1 Description of first aid measures

General information
Instantly remove any clothing soiled by the product.

After inhalation
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 eye contact
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing
Do not induce vomiting; instantly call for medical help.

4.2 Most important symptoms and effects, both acute and delayed

May cause drowsiness.

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents
CO2, extinguishing powder or water jet. Fight larger fires with water jet 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

Can be released in case of fire:
Nitrogen oxide (NOx)
Carbon monoxide (CO)

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

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Prevent product from reaching sewage system or water bodies.

6.3 Methods and material for containment and cleaning up:

Apply absorbing material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

7.2 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!

Storage class

3 (flammable liquids)

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems:

No further data; see item 7.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

110-82-7 cyclohexane

WEL

Short-term value: 1050 mg/m³, 300 ppm
Long-term value: 350 mg/m³, 100 ppm
### Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>WEL</th>
<th>Sampling Time</th>
<th>Medium</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene, mixed isomers, pure</td>
<td>BMGV 650 mmol/mol creatinine</td>
<td>post shift</td>
<td>urine</td>
<td>methyl hippuric acid</td>
</tr>
</tbody>
</table>

### Additional information:

The lists that were valid during the compilation were used as basis.

### 8.2 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.
- Wash hands before breaks and at the end of the work.
- Avoid contact with the eyes and skin.

### Breathing equipment:

In a state of prolonged exposure time or when there is inadequate ventilation at the emission source:

- Use gas filter devices with half or full face mask or portable air blower devices with vented hood.
- Use filters for solvents (high and low boiling points) with color code brown (protection level A and protection class 2 or protection level AX).
- Filter loading dependents on maximum of the concentration of pollutants and its emitted amount.
- AX filters may only be used as delivered (factory fresh). Reuse is absolutely inadmissible.
- The maximum wearing time of the respirator shall be determined by safety experts and occupational physician according to the activities and stresses.

For short-term exposure or in well ventilated work areas (e.g. processing under effective local exhaust or under conditions with more than four times change of air ventilation in the room):

- Use gas filter devices with fourth or half face mask with filters for solvents (high and low boiling points) with color code brown (protection level A and protection class 2 or protection level AX).
- Filter loading dependents on maximum of the concentration of pollutants and its emitted amount.
- AX filters may only be used as delivered (factory fresh). Reuse is absolutely inadmissible.
- The maximum wearing time of the respirator shall be determined by safety experts and occupational physician according to the activities.
and stresses. In case of short term exposure use respiratory protection. In case of intensive or longer exposure use respiratory protection equipment independent from ambient air.

- Protection of hands:
  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
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  Use solvent stable gloves.

- Penetration time of glove material
  The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:
  Safety glasses

- Body protection:
  Protective work clothing.
  Not required.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  General Information
  Appearance:
  Form: Liquid
  Colour: According to product specification
  Smell: Characteristic
  Odour threshold: Not determined.
  pH-value: Not determined.

- Change in condition
  Melting point/freezing point: Not determined
  Initial boiling point and boiling range: 55 °C

- Flash point:
  -18 °C

- Inflammability (solid, gaseous):
  Not applicable.

- Ignition temperature:
  260 °C

- Decomposition temperature:
  Not determined.

- Self-inflammability:
  Product is not selfigniting.

- Explosive properties:
  Product is not explosive. However, formation of explosive air/steam mixtures is possible.

- Critical values for explosion:
  Lower: 1.1 Vol %
  Upper: 12.0 Vol %

- Steam pressure at 20 °C:
  104 hPa

- Density
  Not determined
- Relative density
  Not determined
- Vapour density
  Not determined.
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name tesa 60150

Evaporation rate Not determined.
Solubility in / Miscibility with Water: Partly miscible
Partition coefficient: n-octanol/water: Not determined.
Viscosity:
  dynamic: Not determined.
  kinematic: Not determined.
Solvent content:
  Organic solvents: 93.2 %
Solids content: 19.3 %

9.2 Other information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.
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 toxicological effects
  Acute toxicity Based on available data, the classification criteria are not met.
  LD/LC50 values that are relevant for classification:
    110-82-7 cyclohexane
      Oral LD50 12,705 mg/kg (rat)
    1330-20-7 xylene, mixed isomers, pure
      Oral LD50 8,700 mg/kg (rat)
      Dermal LD50 2,000 mg/kg (rbt)
      Inhalative LC50/4 h 6,350 mg/l (rat)
    64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)
      Oral LD50 2,000 mg/kg (Ratte)
      Dermal LD50 4,000 mg/kg (Rabbit)
      Inhalative LC50/4 h 54 mg/l (Ratte)
  Primary irritant effect:
    Skin corrosion/irritation Causes skin irritation.
    Serious eye damage/irritation Causes serious eye irritation.
    Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
    CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
      Germ cell mutagenicity Based on available data, the classification criteria are not met.
      Carcinogenicity Based on available data, the classification criteria are not met.
      Reproductive toxicity Based on available data, the classification criteria are not met.
      STOT-single exposure May cause drowsiness or dizziness.
      STOT-repeated exposure Based on available data, the classification criteria are not met.
      Aspiration hazard May be fatal if swallowed and enters airways.
SECTION 12: Ecological information

- **12.1 Toxicity**
  - Aquatic toxicity: No further relevant information available.
  - Ecotoxicological effects:
    - Remark: Very toxic for fish

- **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 Other adverse effects**
  - No further relevant information available.

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.

- **European waste catalogue (recommendation)**
  - 08 04 99 wastes not otherwise specified
  - HP 3 Flammable
  - HP 4 Irritant - skin irritation and eye damage
  - HP 5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
  - HP 14 Ecotoxic

- **Additional information about the European waste catalogue:**
  - The assignment of a waste key number according to EC Decision 2000/532/EC in connection with EU Directive 75/442/EC has to follow specific industry requirements. The above mentioned classification is only one possible proposal.

- **Uncleaned packagings:**
  - **Recommendation:** Disposal according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
  - ADR, IMDG, IATA UN1866
· 14.2 UN proper shipping name
  · ADR RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS, (vapour pressure at 50°C not more than 110 kPa)
  · IMDG RESIN SOLUTION (CYCLOHEXANE, 64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)), MARINE POLLUTANT
  · IATA RESIN SOLUTION

· 14.3 Transport hazard class(es)
  · ADR
    · Class 3 (F1) Flammable liquids.
    · Label 3
  · IMDG
    · Class 3 Flammable liquids.
    · Label 3
  · IATA
    · Class 3 Flammable liquids.
    · Label 3

· 14.4 Packing group
  · ADR, IMDG, IATA II

· 14.5 Environmental hazards:
  · Product contains environmentally hazardous substances: cyclohexane
  · Marine pollutant: Yes
  · Special marking (ADR): Symbol (fish and tree)

· 14.6 Special precautions for user
  · Warning: Flammable liquids.
  · Page: 33
  · EMS Number: F-E,S-E
  · Stowage Category B

· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  · Not applicable.

· Transport/Additional information:
  · ADR
    · Limited quantities (LQ) 5L
    · Excepted quantities (EQ) Code: E2
      · Maximum net quantity per inner packaging: 30 ml
      · Maximum net quantity per outer packaging: 500 ml
  · Transport category 2
    · Tunnel restriction code D/E
46.0.2

· IMDG
· Limited quantities (LQ) 5L
· 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, ENVIRONMENTALLY HAZARDOUS

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
  · Seveso category E1 Hazardous to the Aquatic Environment
  · Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
  · Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
  · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 57

· 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):

<table>
<thead>
<tr>
<th>Class</th>
<th>Share in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>III</td>
<td>2.6</td>
</tr>
<tr>
<td>NK</td>
<td>90.6</td>
</tr>
</tbody>
</table>

· Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.
· 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
  H225 Highly flammable liquid and vapour.
  H226 Flammable liquid and vapour.
  H304 May be fatal if swallowed and enters airways.
  H312 Harmful in contact with skin.
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.
  H322 Harmful if inhaled.
  H336 May cause drowsiness or dizziness.
  H373 May cause damage to organs through prolonged or repeated exposure.
  H400 Very toxic to aquatic life.
  H410 Very toxic to aquatic life with long lasting effects.
  H411 Toxic to aquatic life with long lasting effects.
Trade name tesa 60150

- Department issuing data specification sheet: tesa SE, Quality Management/Environment/Safety
- Contact: tesa SE: Dr. D. Lamm, Phone: +49-40-88899-2977, Email: dirk.lamm@tesa.com
tesa SE: Dr. A. Koeth, Phone: +49-40-88899-3938, Email: anja.koeth@tesa.com
- 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 européen sur le transport 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)
  - 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
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Flam. Liq. 3: Flammable liquids – Category 3
  - Acute Tox. 4: Acute toxicity – Category 4
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Skin Sens. 1: Skin sensitisation – Category 1
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
  - Asp. Tox. 1: Aspiration hazard – Category 1
  - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

* Data compared to the previous version altered.