

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

Printing date 23.09.2014

Revision: 23.09.2014

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

- **1.1 Product identifier**
- Trade name: Special primer No. 117
- Article number: 117
- **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 Priming
- **1.3 Details of the supplier of the safety data sheet**
- Manufacturer/Supplier:  
AURO AG  
Alte Frankfurter Str. 211  
D-38122 Braunschweig  
nieder@auro.de
- Further information obtainable from: product safety department
- **1.4 Emergency telephone number:** During normal opening times: +49 531 281 41 19

### SECTION 2: Hazards identification

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





|                   |      |   |
|-------------------|------|---|
| Flam. Liq. 3      | H226 | Flammable liquid and vapour.                          |
| Asp. Tox. 1       | H304 | May be fatal if swallowed and enters airways.         |
| Aquatic Acute 1   | H400 | Very toxic to aquatic life.                           |
| Aquatic Chronic 1 | H410 | Very toxic to aquatic life with long lasting effects. |
| Skin Irrit. 2     | H315 | Causes skin irritation.                               |
| Skin Sens. 1      | H317 | May cause an allergic skin reaction.                  |

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- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
- Xi; Irritant
- R38: Irritating to skin.
- Xi; Sensitising
- R43: May cause sensitisation by skin contact.
- N; Dangerous for the environment
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R10: Flammable.
- Information concerning particular hazards for human and environment:  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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- **2.2 Label elements**
- Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.
- Hazard pictograms

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| GHS02   | GHS07   | GHS08   | GHS09   |

  - Signal word Danger
  - Hazard-determining components of labelling:  
orange oil
  - Hazard statements  
H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.

(Contd. on page 2)

GB

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**Trade name: Special primer No. 117**

(Contd. of page 1)

H410 Very toxic to aquatic life with long lasting effects.

· **Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P321 Specific treatment (see on this label).
- 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:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterization: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

|                                     |   |         |
|-------------------------------------|---|---------|
| CAS: 8028-48-6<br>EINECS: 232-433-8 | orange oil<br>☒ Xi R38; ☒ Xi R43; ☒ N R50/53<br>R10<br>☒ Flam. Liq. 3, H226; ☒ Asp. Tox. 1, H304; ☒ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☒ Skin Irrit. 2, H315; Skin Sens. 1, H317 | 50-100% |
|-------------------------------------|---|---------|

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.· **After eye contact:** Rinse opened eye for several minutes under running water.· **After swallowing:** If symptoms persist consult doctor.· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.· **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:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.· **5.3 Advice for firefighters**· **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

(Contd. on page 3)

**Safety data sheet**  
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Printing date 23.09.2014

Revision: 23.09.2014

Trade name: *Special primer No. 117*

(Contd. of page 2)

**6.2 Environmental precautions:**

- Do not allow product to reach sewage system or any water course.
- Inform respective authorities in case of seepage into water course or sewage system.
- Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:**

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Ensure adequate ventilation.
- Do not flush with water or aqueous cleansing agents

**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 disposal information.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.

**Information about fire - and explosion protection:**

- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:**

- Requirements to be met by storerooms and receptacles:** No special requirements.
- Information about storage in one common storage facility:** Not required.
- Further information about storage conditions:** Keep container tightly sealed.

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities:** No further data; see item 7.

**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

**Respiratory protection:**

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:**

- Check the permeability prior to each renewed use of the glove.
- Solvent resistant gloves



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

(Contd. on page 4)

**Safety data sheet**  
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Revision: 23.09.2014

**Trade name: Special primer No. 117**

(Contd. of page 3)

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· *Material of gloves*

Nitrile rubber, NBR

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.

· *Penetration time of glove material*

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· *Eye protection:*



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· *General Information*

· *Appearance:*

|                           |                                    |
|---------------------------|------------------------------------|
| · <i>Form:</i>            | Fluid                              |
| · <i>Colour:</i>          | According to product specification |
| · <i>Odour:</i>           | Characteristic                     |
| · <i>Odour threshold:</i> | Not determined.                    |

· *pH-value:* Not determined.

· *Change in condition*

|                                       |               |
|---------------------------------------|---------------|
| · <i>Melting point/Melting range:</i> | Undetermined. |
| · <i>Boiling point/Boiling range:</i> | 175 °C        |

· *Flash point:* 21 - 55 °C

· *Flammability (solid, gaseous):* Not applicable.

· *Ignition temperature:* 255 °C

· *Decomposition temperature:* Not determined.

· *Self-igniting:* Product is not selfigniting.

· *Danger of explosion:* Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· *Explosion limits:*

|                 |           |
|-----------------|-----------|
| · <i>Lower:</i> | 0.7 Vol % |
| · <i>Upper:</i> | 6.1 Vol % |

· *Vapour pressure at 20 °C:* 2.1 hPa

|                            |                       |
|----------------------------|-----------------------|
| · <i>Density at 20 °C:</i> | 0.9 g/cm <sup>3</sup> |
| · <i>Relative density</i>  | Not determined.       |
| · <i>Vapour density</i>    | Not determined.       |
| · <i>Evaporation rate</i>  | Not determined.       |

· *Solubility in / Miscibility with water:* Not miscible or difficult to mix.

· *Partition coefficient (n-octanol/water):* Not determined.

· *Viscosity:*

· *Dynamic:* Not determined.

(Contd. on page 5)

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Revision: 23.09.2014

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(Contd. of page 4)

|                                |  |
|--------------------------------|--|
| <i>Kinematic at 20 °C:</i>     | 14 s (DIN 53211/4)                         |
| <i>VOC (EC)</i>                | 577.9 g/l                                  |
| · <b>9.2 Other information</b> | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **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:*

- *LD/LC50 values relevant for classification:*

**8028-48-6 orange oil**

|        |      |                     |
|--------|------|---------------------|
| Oral   | LD50 | 4400 mg/kg (rat)    |
| Dermal | LD50 | 2000 mg/kg (rabbit) |

- *Primary irritant effect:*

- *on the skin:* Irritant to skin and mucous membranes.

- *on the eye:* No irritating effect.

- *Sensitization:* Sensitization possible through skin contact.

- *Additional toxicological information:*

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

### 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.

- *Ecotoxicological effects:*

- *Remark:* Very toxic for fish

- *Additional ecological information:*

- *General notes:*

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

- **12.5 Results of PBT and vPvB assessment**

- *PBT:* Not applicable.

- *vPvB:* Not applicable.

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

GB

(Contd. on page 6)

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(Contd. of page 5)

**SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**· *Recommendation* Must not be disposed together with household garbage. Do not allow product to reach sewage system.· *European waste catalogue*

08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

20 01 27\* paint, inks, adhesives and resins containing dangerous substances

· *Uncleaned packaging:*· *Recommendation:* Disposal must be made according to official regulations.**SECTION 14: Transport information**· **14.1 UN-Number**· *ADR, IMDG, IATA* UN1263· **14.2 UN proper shipping name**· *ADR* 1263 PAINT, ENVIRONMENTALLY HAZARDOUS, special provision 640E· *IMDG, IATA* PAINT· **14.3 Transport hazard class(es)**· *ADR*· *Class* 3 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:* No· *Special marking (ADR):* Symbol (fish and tree)· **14.6 Special precautions for user**

Warning: Flammable liquids.

· *Danger code (Kemler):* 30· *EMS Number:* F-E,S-E· **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

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

(Contd. on page 7)

**Safety data sheet**  
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(Contd. of page 6)

|                            |  |
|----------------------------|--|
| · Tunnel restriction code  | D/E  |
| · IMDG                     |  |
| · Limited quantities (LQ)  | 5L   |
| · Excepted quantities (EQ) | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation":   | UN1263, PAINT, special provision 640E, ENVIRONMENTALLY HAZARDOUS, 3, III   |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this 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.
  - H304 May be fatal if swallowed and enters airways.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
  - R10 Flammable.
  - R38 Irritating to skin.
  - R43 May cause sensitisation by skin contact.
  - R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Department issuing MSDS:** product safety department
- **Contact:** N.N.
- **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 Organization
  - 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 Harmonized 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)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - Flam. Liq. 3: Flammable liquids, Hazard Category 3
  - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  - Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
  - Asp. Tox. 1: Aspiration hazard, Hazard Category 1
  - Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1