

## **SECTION1:Identification of the substance/mixture and of the company/undertaking**

1.1. Erstellungsdatum/Erstausgabe: 17.03.2016

### 1.1. **Produktidentifikatoren**

**Handelsname:** **VOC Clearcoat matt 3:1**  
**Artikelnummer:** **50900**

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

#### **Relevant identified uses**

**2 component clear coat for car repair painting**

1.3. **Details of the supplier of the safety data sheet manufacturer**

#### **· Manufacturer / Supplier:**

**XXX**

**Phone:** +XXX

**Fax:** +XXX

- E-mail address of the competent person responsible for the Safety Data Sheet:** **XXX@XXX**
- Informing department:** **XXX**
- 1.4 Emergency telephone number:** **+XXX**

## **SECTION2:Hazards identification**

2.1. **Classification of the substance or mixture**

#### **Classification according to Regulation (EC) No. 1272/2008 [CLP]**

*This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].*

|                          |  |  |
|--------------------------|--|--|
| Flam. Liq. 3 / H226 STOT | flammable liquids                                | Flammable liquid and vapour.<br>May cause drowsiness or dizziness. |
| SE 3 / H336              | Specific target organ toxicity (single exposure) |  |
| Aquatic Chronic 3 / H412 | Hazardous to the aquatic environment             | Harmful to aquatic life with long lasting effects.                 |

2.2. **Label elements**

#### **Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

##### **Hazard pictograms**



**Warning**

##### **Hazard statements**

|      |  |
|------|--|
| H226 | Flammable liquid and vapour.                       |
| H336 | May cause drowsiness or dizziness.                 |
| H412 | Harmful 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.             |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P501               | Dispose of contents/container to industrial incineration plant.  |
| P102               | Keep out of reach of children.   |
| P101               | If medical advice is needed, have product container or label at hand.                                      |
| P103               | Read label before use.   |
| P241               | Use explosion-proof electrical equipment.  |
| P261               | Avoid breathing dust/fume/gas/mist/vapours/spray.  |
| P405               | Store locked up.   |

##### **contains:**

**n-butyl acetate**

##### **Supplemental Hazard information (EU)**

**EUH066** Repeated exposure may cause skin dryness or cracking.

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010  
Version 1.1

**Trade name:** **VOC Clearcoat matt 3:1**

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**EUH208** Contains bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate; Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; 2,3-Epoxypropyl neodecanoate. May produce an allergic reaction.

**2.3. Otherhazards**

**SECTION3:Composition/ information on ingredients**

**3.2. Mixtures**

**Product description / chemical characterization**

**Description** Gemisch aus nachfolgend angeführten Stoffen mit ungefährlichen Beimengungen

**Hazardous ingredients**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

| <b>EC No.</b>    | <b>REACH No.</b>  | <b>Wt %</b> | <b>Remark</b> |
|------------------|---|-------------|---------------|
| <b>CAS No.</b>   | <b>Chemical name</b>  |             |               |
| <b>INDEX No.</b> | <b>classification</b>   |             |               |
| 255-437-1        | 01-2119491304-40  |             |               |
| 41556-26-7       | bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate  | 0,5 - 1     |               |
|                  | Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410   |             |               |
| 280-060-4        |   |             |               |
| 82919-37-7       | Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate   | < 0,5       |               |
|                  | Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410   |             |               |
| 204-658-1        | 01-2119485493-29  |             |               |
| 123-86-4         | n-butyl acetate   | 25 - 50     |               |
| 607-025-00-1     | Flam. Liq. 3 H226 / STOT SE 3 H336  |             |               |
| 247-979-2        | 01-2119431597-33  |             |               |
| 26761-45-5       | 2,3-Epoxypropyl neodecanoate  | 0,5 - 1     |               |
|                  | Skin Sens. 1 H317 / Aquatic Chronic 2 H411 / Muta. 2 H341   |             |               |
| 265-199-0        | 01-2119455851-35  |             |               |
| 64742-95-6       | Solvent naphtha (petroleum), light arom.  | 5 - 10      |               |
|                  | Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336   |             |               |
| 215-535-7        | 01-2119488216-32  |             |               |
| 1330-20-7        | xylene  | 2,5 - 5     |               |
|                  | Flam. Liq. 3 H226 / Acute Tox. 4 H312 / Acute Tox. 4 H332 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Asp. Tox. 1 H304 / STOT RE 2 H373 / STOT SE 3 H335 |             |               |

**Additional information**

Full text of classification: see section 16

**SECTION4:First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed**

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*In all cases of doubt, or when symptoms persist, seek medical advice.*

**4.3. Indication of any immediate medical attention and special treatment needed**

**SECTION5:Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media:**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

**Extinguishing media which must not be used for safety reasons:**

strong water jet

**5.2. Special hazards arising from the substance or mixture**

Dense black smoke occurs during fire. Inhalation of hazardous decomposing products can cause serious health damage.

**5.3. Special protective equipment for firefighters:**

Provide a conveniently located respiratory protective device.

**Additional information**

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

**SECTION6:Accidental release measures**

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

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

**6.4. Reference to other sections**

Observe protective provisions (see chapter 7 and 8).

**SECTION7:Handling and storage**

**7.1. Precautions for safe handling**

**Advices on safe handling**

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

**Precautions against fire and explosion:**

Vapours are heavier than air. Vapours form explosive mixtures with air.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Further information on storage conditions**

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect

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from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

**7.3. Specific end use(s)**

Observe technical data sheet.

## **SECTION8:Exposure controls/personalprotection**

**8.1. Control parameters**

**Occupational exposure limit values:**

*n-butyl acetate*

INDEX No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4

MEL/OES, TWA: 724 mg/m<sup>3</sup>; 150 ppm

MEL/OES, STEL: 966 mg/m<sup>3</sup>; 200 ppm

*xylene, mixture of isomers*

INDEX No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

WEL, TWA: 220 mg/m<sup>3</sup>; 50 ppm

WEL, STEL: 441 mg/m<sup>3</sup>; 100 ppm

*BMGV, TWA: 650 mmol/mol creatinine*

Remark: methyl hippuric acid; urine; end of exposure or end of shift

**Additional information**

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

**8.2. Exposure controls**

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

**Occupational exposure controls**

**Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

**Hand protection**

For prolonged or repeated handling the following glove material must be used: solventresistant Latex gloves

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye protection**

Wear closely fitting protective glasses in case of splashes.

**Protective clothing**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

**Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

## **SECTION9:Physicaland chemicalproperties**

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

**Appearance:**

**Physical state** liquid

**Colour** see productname

**Odour** typical

| <b>Safety relevant basis data</b>  | <b>Unit</b> | <b>Method</b> | <b>Remark</b> |
|------------------------------------|-------------|---------------|---------------|
| <b>Flash point:</b>                | 23 °C       |               |               |
| <b>Ignition temperature in °C:</b> | 370 °C      |               |               |

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|                                     |                        |
|-------------------------------------|------------------------|
| <b>Lower explosion limit:</b>       | 1,2 Vol-%              |
| <b>Upper explosion limit:</b>       | 7,5 Vol-%              |
| <b>Vapour pressure at 20 °C:</b>    | 10,70 mbar             |
| <b>Density at 20 °C:</b>            | 1,05 g/cm <sup>3</sup> |
| <b>Water solubility (g/L):</b>      | insoluble              |
| <b>pH at 20 °C:</b>                 | n.a.                   |
| <b>Viscosity at 20 °C:</b>          | 160 s 4 mm             |
| <b>Solvent separation test (%):</b> | < 3 %                  |
| <b>Solid content (%):</b>           | 52 Wt %                |
| <b>solvent content:</b>             |                        |
| <b>Organic solvents:</b>            | 47,70 Wt %             |
| <b>Water:</b>                       | 0,00 Wt %              |

## 9.2. Other information

### **SECTION10:Stability and reactivity**

#### 10.1. Reactivity

#### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

#### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

#### 10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

### **SECTION11:Toxicological information**

Classification according to Regulation (EC) No. 1272/2008 [CLP] No data on preparation itself available.

#### 11.1. Information on toxicological effects

##### **Acute toxicity**

*n*-butyl acetate  
oral, LD50, Rat:

**skin corrosion/irritation; Serious eye damage/eye irritation**

Toxicological data are not available.

##### **Respiratory or skin sensitisation**

Toxicological data are not available.

##### **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Toxicological data are not available.

##### **Specific target organ toxicity**

Toxicological data are not available.

##### **Aspiration hazard**

Toxicological data are not available.

##### **Practical experience/human evidence**

##### **Other observations:**

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

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**14.5. Environmental hazards**

*Land transport (ADR/RID)* n.a.  
*Marine pollutant* n.a.

**14.6. Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Additional information**

***Land transport (ADR/RID)***

*tunnel restriction code* D/E SONDERVORSCHRIFT  
640E

***Sea transport (IMDG) EmS-***

*No.* F-E, S-E

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

*not applicable*

**SECTION15:Regulatory information**

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

***EU legislation***

***Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).***

*VOC-value (in g/L) ISO 11890-2:* 458  
*VOC-value (in g/L) ASTM D 2369:* 458

***according to EU-regulation 2004/42/EC (appendix II)***

*EU limit value for this product (cat. (Cat. B/e)): 840 g/l (2007)/840 g/l (2010).*

*This product contains max 554 g/l VOC.*

***National regulations***

***Restrictions of occupation***

*Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).*

***Other regulations, restrictions and prohibition regulations***

**15.2. Chemical Safety Assessment**

***For the following substances of this preparation a chemical safety assessment has been carried out:***

| <b>EC No.</b>  | <b>Chemical name</b>   | <b>REACH No.</b> |
|----------------|--|------------------|
| <b>CAS No.</b> |  |                  |
| 204-658-1      | <i>n</i> -butyl acetate  | 01-2119485493-29 |
| 123-86-4       |  |                  |
| 407-000-3      | reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H- benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl] propionates | 01-0000015648-61 |
| 127519-17-9    |  |                  |
| 255-437-1      | bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacat  | 01-2119491304-40 |
| 41556-26-7     |  |                  |
| 247-979-2      | 2,3-EPOXYPROPYLNEODECANOAT   | 01-2119431597-33 |
| 26761-45-5     |  |                  |
| 265-199-0      | <i>Lösungsmittel, C9 Kohlenwasserstoffe, Aromaten</i>  | 01-2119455851-35 |
| 64742-95-6     |  |                  |
| 215-535-7      | <i>xylene, mixture of isomers</i>  | 01-2119488216-32 |
| 1330-20-7      |  |                  |
| 265-185-4      | <i>Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha</i>                                  | 01-2119458049-33 |
| 64742-82-1     |  |                  |

**SECTION16:Other information**

***Carbides.:***

|                                    |  |   |
|------------------------------------|--|---|
| <i>Skin Sens. 1 / H317 Aquatic</i> | <i>respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment</i> | <i>May cause an allergic skin reaction. Very toxic to aquatic life.</i> |
| <i>Acute 1 / H400 Aquatic</i>      |  | <i>Very toxic to aquatic life with long lasting</i>                     |
| <i>Chronic 1 / H410</i>            |  |   |

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*Flam. Liq. 3 / H226 STOT  
SE 3 / H336*

*flammable liquids  
Specific target organ toxicity (single  
exposure)*

*effects.*

*Flammable liquid and vapour.  
May cause drowsiness or dizziness.*

*Aquatic Chronic 2 / H411  
Muta. 2 / H341*

*Hazardous to the aquatic environment  
Germ cell mutagenicity*

*Toxic to aquatic life with long lasting effects.  
Suspected of causing genetic defects (state route of  
exposure if it is conclusively proven that no other  
routes of exposure cause the hazard). May cause  
respiratory irritation.*

*STOT SE 3 / H335*

*Specific target organ toxicity (single  
exposure)  
Aspiration hazard  
Acute toxicity (dermal)  
Acute toxicity (inhalative)  
skin corrosion/irritation  
Serious eye damage/eye irritation  
Specific  
target organ toxicity (repeated exposure)*

*May be fatal if swallowed and enters airways.*

*Harmful in contact with skin.*

*Harmful if inhaled.*

*Causes skin irritation.*

*Causes serious eye irritation.*

*May cause damage to organs (or state all organs  
affected, if known) through prolonged or repeated  
exposure (state route of exposure if it is conclusively  
proven that no other routes of exposure cause the  
hazard).*

**Additional information**

*Classification according to Regulation (EC) No. 1272/2008 [CLP]*

*The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.*