

SECTION 1: 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**

SECTION 2: 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.

SE 3 / H336

Specific target organ toxicity (single exposure)

May cause drowsiness or dizziness.

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.

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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. Other hazards

SECTION 3: 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]

EC No.	REACH No.	Wt %
CAS No.	Chemical name	Remark
INDEX No.	classification	
255-437-1	01-2119491304-40	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	0,5 - 1
280-060-4		
82919-37-7	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	< 0,5
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 Skin Sens. 1 H317 / Aquatic Chronic 2 H411 / Muta. 2 H341	0,5 - 1
265-199-0	01-2119455851-35	
64742-95-6	Solvent naphtha (petroleum), light arom. Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336	5 - 10
215-535-7	01-2119488216-32	
1330-20-7	xylene 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	2,5 - 5

Additional information

Full text of classification: see section 16

SECTION 4: 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

SECTION 5: 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. Inhaling 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.

SECTION 6: 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, vermiculit, 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).

SECTION 7: 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/m³; 150 ppm

MEL/OES, STEL: 966 mg/m³; 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/m³; 50 ppm

WEL, STEL: 441 mg/m³; 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

Safety relevant basis data

Flash point: 23 °C

Ignition temperature in °C: 370 °C

Method

Remark

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Lower explosion limit:	1,2 Vol-%	
Upper explosion limit:	7,5 Vol-%	
Vapour pressure at 20 °C:	10,70 mbar	
Density at 20 °C:	1,05 g/cm ³	
Water solubility (g/L):	insoluble	
pH at 20 °C:	n.a.	
Viscosity at 20 °C:	160 s 4 mm	DIN 53211
Solvent separation test (%):	< 3 %	ADR/RID
Solid content (%):	52 Wt %	
solvent content:		
Organic solvents:	47,70 Wt %	
Water:	0,00 Wt %	

9.2. Other information

SECTION 10: 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.

SECTION 11: 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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Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself.

SECTION 12: Ecological information

overall evaluation

Classification according to Regulation (EC) No. 1272/2008 [CLP] There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

12.1. Toxicity

No information available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111 waste paint and varnish containing organic solvents or other dangerous substances

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1. UN number

UN 1263

14.2. UN proper shipping name

Land transport (ADR/RID):

Paint

Sea transport (IMDG):

PAINT

Air transport (ICAO-TI/ IATA-DGR):

Paint

14.3. Transport hazard class(es)

Land transport (ADR/RID):

"No good according class 3"
containers > 450 l = class 3

Sea transport (IMDG)

3

for packages < 30 litres:

Transport in accordance with 2.3.2.5 of the IMDG Code. 3

Air transport (ICAO-TI/ IATA-DGR)

14.4. Packing group

III

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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

SECTION 15: 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 juvenils 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:

EC No.	Chemical name	REACH No.
CAS No.		
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-	01-0000015648-61
127519-17-9	benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl] propionates	
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	Lösungsmittel, C9 Kohlenwasserstoffe, Aromaten	01-2119455851-35
64742-95-6		
215-535-7	xylene, mixture of isomers	01-2119488216-32
1330-20-7		
265-185-4	Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point	01-2119458049-33
64742-82-1	hydrogen treated naphtha	

SECTION 16: Other information

Carbides.:

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

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<i>Flam. Liq. 3 / H226 STOT SE 3 / H336</i>	<i>flammable liquids Specific target organ toxicity (single exposure)</i>	<i>effects. Flammable liquid and vapour. May cause drowsiness or dizziness.</i>
<i>Aquatic Chronic 2 / H411 Muta. 2 / H341</i>	<i>Hazardous to the aquatic environment Germ cell mutagenicity</i>	<i>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.</i>
<i>STOT SE 3 / H335</i>	<i>Specific target organ toxicity (single exposure)</i>	
<i>Asp. Tox. 1 / H304 Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT RE 2 / H373</i>	<i>Aspiration hazard Acute toxicity (dermal) Acute toxicity (inhalative) skin corrosion/irritation Serious eye damage/eye irritation Specific target organ toxicity (repeated exposure)</i>	<i>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).</i>

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.