SAFETY DATA SHEET
FONTECRYL SC-EF 50

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

1.1 Product identifier
Product name : FONTECRYL SC-EF 50
Product description : A waterborne acrylate paint.

1.2 Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Painting work

1.3 Details of the supplier of the safety data sheet

Manufacturer or Distributor
Tikkurila Oyj
P.O. Box 53
FI-01301 VANTAA
FINLAND
Telephone +358 20 191 2000

Supplemental label elements
Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction. Safety data sheet available on request.

Wear protective gloves.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Product definition : Mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

2.2 Label elements
Signal word : No signal word.
Hazard statements : No hazard statements.
Precautionary statements
General : Not applicable.
Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.
Supplemental label elements
Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction. Safety data sheet available on request.

Wear protective gloves.
2.3 Other hazards

Other hazards which do not result in classification: None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures: Mixture

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Identifiers</th>
<th>%</th>
<th>Classification</th>
</tr>
</thead>
</table>
| 2-butoxyethanol         | REACH #: 01-2119475108-36  
EC: 203-905-0  
CAS: 111-76-2  
Index: 603-014-00-0 | ≤3 | Acute Tox. 4, H302  
Acute Tox. 4, H312  
Acute Tox. 4, H332  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319 |
| 2,4,7,9-tetramethyldec-5-yne-4,7-diol | REACH #: 01-2119954390-39  
EC: 204-809-1  
CAS: 126-86-3 | ≤0.3 | Eye Dam. 1, H318  
Skin Sens. 1B, H317  
Aquatic Chronic 3, H412  
See Section 16 for the full text of the H statements declared above. |

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures

General: In all cases of doubt, or when symptoms persist, seek medical attention. Show this safety data sheet or label to the doctor if possible.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 10 minutes.

Inhalation: Remove to fresh air.

Skin contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious). If significant amounts have been swallowed or if symptoms persist, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

Contains: 2,4,7,9-tetramethyldec-5-yne-4,7-diol

May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

None.
SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire. Recommended: alcohol resistant foam, CO₂, powders or water spray/mist.
Unsuitable extinguishing media: Do not use a direct water jet that could spread the fire.

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products: When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

Hazardous decomposition products: When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

5.3 Advice for firefighters
Special protective actions for fire-fighters: Use water spray to keep fire-exposed containers cool. Do not release runoff from fire to drains or watercourses.
Special protective equipment for fire-fighters: Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions: Do not allow to enter drains, water courses or soil.

6.3 Methods and materials for containment and cleaning up: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with water or detergent. Avoid using solvents.

6.4 Reference to other sections: See Section 1 for emergency contact information. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling: Skin contact with the product and exposure to spray mist and vapor should be avoided. Avoid contact with skin and eyes. Avoid inhalation of dust from sanding. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product.

Risk of self-ignition! Materials such as cleaning rags and paper wipes, sanding dust and overspray containing the product, may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be placed in a metal container filled with water and sealed or dried preferably outdoors or incinerated immediately. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

7.2 Conditions for safe storage, including any incompatibilities: Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Recommended storage temperature is +5°C ...+25°C. Do not allow to freeze. Store in accordance with local regulations.

7.3 Specific end use(s): None.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

### Occupational exposure limits

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>EU OEL (Europe, 2/2017). Absorbed through skin. Notes: list of indicative occupational exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>TWA: 20 ppm 8 hours. TWA: 98 mg/m³ 8 hours. STEL: 50 ppm 15 minutes. STEL: 246 mg/m³ 15 minutes.</td>
</tr>
</tbody>
</table>

**Recommended monitoring procedures**: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**DNELs/DMELs**: No DNELs/DMELs available.

**PNECs**: No PNECs available.

8.2 Exposure controls

**Appropriate engineering controls**

Provide adequate ventilation. Comply with the health and safety at work laws.

**Individual protection measures**

- **Eye/face protection**: Safety eyewear should be used when there is a likelihood of exposure. Use safety eyewear (EN166), especially during spray-application.

- **Hand protection**: Wear protective gloves. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended glove material (EN374):
  - > 8 hours (breakthrough time): nitrile rubber
  - Not recommended: PVA gloves

- **Skin protection**: Wear appropriate personal protective clothing to prevent skin contact.

- **Respiratory protection**: If ventilation during spray-application is inadequate, use respirators with combination filter AP, gas/dust filter (EN405:2001). Wear a respirator with type P2 filter during sanding (EN149:2001). Be sure to use an approved/certified respirator or equivalent. Check that mask fits tightly and change filter regularly.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

**Appearance**

- **Physical state**: Liquid.
- **Color**: Coloured
- **Odor**: Mild.
- **Odor threshold**: Not relevant for the hazard assessment of the product.
- **pH**: Not relevant for the hazard assessment of the product.
- **Melting point/freezing point**: Not available.
- **Initial boiling point and boiling range**: Not available.
- **Flash point**: >100°C
- **Evaporation rate**: Not available.
Flammability (solid, gas): Not applicable. Product is a liquid.
Upper/lower flammability or explosive limits: Not available.
Vapor pressure: Not available.
Vapor density: Not available.
Density: 1.2 g/cm³
Solubility(ies): Miscible in water.
Partition coefficient: n-octanol/water: Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not relevant for the hazard assessment of the product.
Viscosity: Not relevant for the hazard assessment of the product.
Explosive properties: No explosive ingredients present.
Oxidizing properties: No oxidizing ingredients present.

9.2 Other information
No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity: See Section 10.5.

10.2 Chemical stability: Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid: Avoid extreme heat and freezing.

10.5 Incompatible materials: Keep away from the following materials to prevent strong exothermic reactions:
oxidizing agents
strong acids
strong alkalis

10.6 Hazardous decomposition products: When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
There is no testdata available on the product itself.
The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Long term exposure to spray mist may produce respiratory tract irritation. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>LC50 Inhalation Dusts and mists</td>
<td>Rat - Female</td>
<td>2.2 mg/l</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Guinea pig</td>
<td>230 uL/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>917 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Not classified.
Irritation/Corrosion
Not classified.
Sensitization
The product is not classified as sensitizing by skin contact, but it contains following preservatives or other biocides which may produce an allergic reaction:
1,2-benzisothiazol-3(2H)-one (BIT)
2-methyl-2H-isothiazol-3-one (MIT)
Contains small amounts of sensitizing substances:
2,4,7,9-tetramethyldec-5-yn-4,7-diol

**Mutagenicity**
Not classified.

**Carcinogenicity**
Not classified.

**Reproductive toxicity**
Not classified.

**Teratogenicity**
Not classified.

**Specific target organ toxicity (single exposure)**
Not classified.

**Specific target organ toxicity (repeated exposure)**
Not classified.

**Aspiration hazard**
Not classified.

### SECTION 12: Ecological information

Ecological testing has not been conducted on this product. Do not allow to enter drains, water courses or soil.

The product is not classified as environmentally hazardous according to Regulation (EC) 1272/2008.

#### 12.1 Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4,7,9-tetramethyldec-5-yne-4,7-diol</td>
<td>EC50 82 mg/l</td>
<td>Algae - Selenastrum capricornutum</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>EC50 91 mg/l</td>
<td>Daphnia</td>
<td>48 hours</td>
</tr>
</tbody>
</table>

**12.2 Persistence and degradability** : No specific data.

**12.3 Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>Bioconcentration factor [BCF]</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>0.81</td>
<td>-</td>
<td>low</td>
</tr>
</tbody>
</table>

**12.4 Mobility in soil**

| Soil/water partition coefficient (K<sub>oc</sub>) | Mobility | Not available. |

**12.5 Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse effects** : Not available.
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal: Gather residues into waste containers. Liquid residue must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

European waste catalogue (EWC)

<table>
<thead>
<tr>
<th>Waste code</th>
<th>Waste designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 01 11*</td>
<td>waste paint and varnish containing organic solvents or other hazardous substances</td>
</tr>
<tr>
<td>08 01 12</td>
<td>waste paint and varnish other than those mentioned in 08 01 11</td>
</tr>
</tbody>
</table>

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

Packaging

Methods of disposal: Empty packaging should be recycled or disposed of in accordance with national regulations.

Special precautions: No additional information.

SECTION 14: Transport information

This product is not regulated for carriage according to ADR/RID, IMDG, IATA.

<table>
<thead>
<tr>
<th></th>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
</tbody>
</table>

14.6 Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Other EU regulations

Europe inventory: Not determined.

VOC Directive: This product is in scope of Directive 2004/42/CE.

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.
SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms:
- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not classified.</td>
<td></td>
</tr>
</tbody>
</table>

Full text of abbreviated H statements:
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H412 Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]:
- Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4
- Acute Tox. 4, H312 ACUTE TOXICITY (dermal) - Category 4
- Acute Tox. 4, H332 ACUTE TOXICITY (inhalation) - Category 4
- Aquatic Chronic 3, H412 AQUATIC HAZARD (LONG-TERM) - Category 3
- Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
- Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
- Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
- Skin Sens. 1B, H317 SKIN SENSITIZATION - Category 1B

Date of issue/Date of revision: 2/25/2019
Date of previous issue: No previous validation
Version: 1

Notice to reader:
This Safety Data Sheet is prepared in accordance with Annex II (EU) No 830/2015 to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.