SAFETY DATA SHEET

AITAMAALI VALKEA

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

1.1 Product identifier
   Product name: AITAMAALI VALKEA
   Product description: 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
   e-mail address of person responsible for this SDS: Tikkurila Oyj, Product Safety, e-mail: productsafety@tikkurila.com

1.4 Emergency telephone number
   Telephone number: 112 (24h)
   Supplier or Manufacturer
   Telephone number: Tikkurila Oyj
   +358 20 191 2000 (GMT +2) Mon-Fri 8-16

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]
   Skin Sens. 1, H317
   Aquatic Chronic 2, H411
   The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

2.2 Label elements
   Hazard pictograms:
   Signal word: Warning
   Hazard statements:
   H317 - May cause an allergic skin reaction.
   H411 - Toxic to aquatic life with long lasting effects.
   Precautionary statements:
   General:
   P101 - If medical advice is needed, have product container or label at hand.
   P102 - Keep out of reach of children.
### Prevention
- P261 - Avoid breathing mist/spray.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves.

### Response
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

### Storage
- Not applicable.

### Disposal
- Not applicable.

#### Hazardous ingredients
- 2-octyl-2H-isothiazol-3-one (OIT)
- 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)

#### Supplemental label elements
- Contains small amounts of sensitizing substances: 3-iodo-2-propynyl butylcarbamate (IPBC) and reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)).

#### Treated articles
- This product contains a biocidal product for the preservation of the product during storage. Contains C(M)IT/MIT (3:1).

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

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures
- **Product/ingredient name**: Zinc oxide
  - %: ≤5
  - Classification: Aquatic Acute 1, H400 (M=1), Aquatic Chronic 1, H410 (M=1)
  - Notes: -

- **Product/ingredient name**: 2-octyl-2H-isothiazol-3-one (OIT)
  - %: ≤0.28
  - Classification: Acute Tox. 4, H302, Acute Tox. 3, H311, Acute Tox. 3, H331, Skin Corr. 1B, H314, Skin Sens. 1, H317, Aquatic Acute 1, H400 (M=10), Aquatic Chronic 1, H410 (M=10)
  - Notes: -

- **Product/ingredient name**: 3-iodo-2-propynyl butylcarbamate (IPBC)
  - Identifiers: EC: 259-627-5, CAS: 55406-53-6
  - %: ≤0.18
  - Classification: Acute Tox. 4, H302, Acute Tox. 3, H331, Eye Dam. 1, H318, Skin Sens. 1, H317, STOT RE 1, H372 (larynx), Aquatic Acute 1, H400 (M=10), Aquatic Chronic 1, H410 (M=1)
  - Notes: -

- **Product/ingredient name**: 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)
  - Identifiers: EC: 264-843-8, CAS: 64359-81-5
  - %: <0.1
  - Classification: Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 2, H330, Skin Corr. 1C, H314, Skin Sens. 1A, H317, STOT SE 3, H335, Aquatic Acute 1, H400 (M=100), Aquatic Chronic 1, H410 (M=10)
  - Notes: -

- **Product/ingredient name**: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))
  - Identifiers: CAS: 55965-84-9
  - %: <0.0015
  - Classification: Acute Tox. 3, H301, Acute Tox. 3, H311, Acute Tox. 3, H331, Skin Corr. 1B, H314, Skin Sens. 1, H317, Aquatic Acute 1, H400 (M=1), Aquatic Chronic 1, H410 (M=1)
  - Notes: 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.
There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.

### 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 15 minutes. Get medical attention if symptoms occur.

**Inhalation**
- Remove to fresh air. Keep person warm and at rest.

**Skin contact**
- Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. Get medical attention if symptoms occur.

**Ingestion**
- If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Remove to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

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

#### 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

**Hazards from the substance or mixture**
- This product is not classified as flammable. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**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.

#### 5.3 Advice for firefighters

**Special protective actions for fire-fighters**
- Use water spray to keep fire-exposed containers cool. This material is hazardous to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Special protective equipment for fire-fighters**
- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Provide adequate ventilation. Avoid breathing vapor or mist. Avoid direct skin contact with product. See Section 8 for information on appropriate personal protective equipment.

6.2 Environmental precautions
Hazardous to aquatic environment. 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 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. Avoid release to the environment.

7.2 Conditions for safe storage, including any incompatibilities
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. 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
No exposure limit value known.

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. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn (see Personal protection). Comply with the health and safety at work laws.

Individual protection measures

Eye/face protection
Use safety eyewear (EN166), especially during spray-application.
Hand protection: Always wear approved protective gloves against chemicals. 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 suitable protective clothing.

Respiratory protection: If ventilation during spray-application is inadequate, use respirators with combination filter AP, gas/dust filter (EN405:2001). Wear a half mask or full face respirator with gas and vapor filter A and dust filter P2 during sanding (EN140:1998, EN405:2001). During continuous and long-term work the use of motor-driven or air-fed respirators is recommended (EN12941:1998). Be sure to use an approved/certified respirator or equivalent. Check that mask fits tightly and change filter regularly.

Environmental exposure controls: For information regarding environmental protection measures, please refer to section 13 for waste handling, section 7 for handling and storage and section 1.2 for relevant identified uses of the substance or mixture and uses advised against.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Liquid.
Color: White.
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: □ 0°C (water)
Initial boiling point and boiling range: □ 100°C (water)
Flash point: □ 100 °C
Evaporation rate: Not relevant due to the nature of the product.
Flammability (solid, gas): Not applicable. Product is a liquid.
Upper/lower flammability or explosive limits: No flammable ingredients present.

Vapor pressure: □ 0.2 kPa [room temperature] (water)
Vapor density: Not relevant for the hazard assessment of the product.
Density: □ 1.3 g/cm³
Solubility(ies): Miscible in water.
Partition coefficient: n-octanol/water: Not available.
Auto-ignition temperature: Not relevant due to the nature of the product.
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

May cause an allergic skin reaction.
Contains following preservatives or other biocides:
- 1,2-benzisothiazol-3(2H)-one (BIT)
- reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))
- 2-octyl-2H-isothiazol-3-one (OIT)
- 3-iodo-2-propynyl butylcarbamate (IPBC)
- 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)

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-octyl-2H-isothiazol-3-one (OIT)</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>690 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>550 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>3-iodo-2-propynyl butylcarbamate (IPBC)</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1470 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1636 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>53 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Not classified.

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 classified as environmetally hazardous according to Regulation (EC) 1272/2008. Toxic to aquatic life with long lasting effects.

#### 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>Zinc oxide</td>
<td>Acute EC50 0.17 mg/l</td>
<td>Algae - Selenastrum capricornutum</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 0.481 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td>2-octyl-2H-isothiazol-3-one (OIT)</td>
<td>EC50 0.32 mg/l</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>LC50 0.047 mg/l</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td>3-iodo-2-propynyl butylcarbamate (IPBC)</td>
<td>EC50 0.053 mg/l</td>
<td>Algae</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>EC50 0.16 mg/l</td>
<td>Daphnia</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>LC50 0.067 mg/l</td>
<td>Fish</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>NOEC 0.05 mg/l</td>
<td>Daphnia - Daphnia magna</td>
<td>21 days</td>
</tr>
<tr>
<td>4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)</td>
<td>Acute EC50 0.003 mg/l Fresh water</td>
<td>Algae - Pseudokirchneriella subcapitata</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 0.004 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 0.379 mg/l</td>
<td>Algae - Pseudokirchneriella subcapitata</td>
<td>72 hours</td>
</tr>
<tr>
<td>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))</td>
<td>Acute EC50 0.16 mg/l</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 0.19 mg/l</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.0012 mg/l</td>
<td>Algae - Pseudokirchneriella subcapitata</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.004 mg/l</td>
<td>Daphnia - Daphnia magna</td>
<td>21 days</td>
</tr>
</tbody>
</table>
12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
</tbody>
</table>

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-octyl-2H-isothiazol-3-one (OIT)</td>
<td>2.45</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>zinc oxide</td>
<td>-</td>
<td>60960</td>
<td>high</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : Remove as much product as possible from the tools before cleaning. Liquid residue and cleaning liquids are hazardous waste and 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>
</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 disposed of in accordance with national regulations.

Special precautions : No additional information.
SECTION 14: Transport information

<table>
<thead>
<tr>
<th></th>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>UN3082</td>
<td>UN3082</td>
<td>UN3082</td>
</tr>
<tr>
<td>14.2 UN proper shipping name</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>III</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Yes.</td>
<td>Yes.</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

Additional information

**ADR/RID**: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**IMDG**: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**IATA**: This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

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.
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.