



## Safety Data Sheet

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AQUENCE FB A7028TH known as Adhesin A7028TH PE20 KG

SDS No. : 336653

V001.8

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### Section 1. Identification of the substance/preparation and of the company/undertaking

**Product name:**

AQUENCE FB A7028TH known as Adhesin A7028TH PE20 KG

**Other means of identification:**

AQUENCE FB A7028TH IBC20KG

**Product code:**

IDH689495

**Recommended use of the chemical and restrictions on use**

**Intended use:**

Water based adhesive

**Identification of manufacturer, importer or distributor**

**Manufacturer:** Henkel Thailand Ltd Amata Nakorn Industrial Estate, 700/349 Mu 6, Tambol Nong Mai Daeng, Amphur Muang, Chonburi 20000, Thailand. Phone : +6638456300 Fax : +6638456393

**E-mail address of person responsible for Safety Data Sheet:**

ap-ua-psra.sea@henkel.com

**Emergency information:**

FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call CHEMTREC: +1 703-741-5970

### Section 2. Hazards identification

**GHS Classification:**

**Hazard Class**

Skin sensitizer

**Hazard Category**

Category 1

**GHS label elements:**

**Hazard pictogram:**



**Signal word:**

Warning

**Hazard statement:**

H317 May cause an allergic skin reaction.

**Precaution:**

**Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.

**Response:**

P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

**Disposal:**

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Section 3. Composition / information on ingredients**

**Substance or Mixture:**

Mixture

**Declaration of hazardous chemical:**

| Hazard component CAS-No.                  | Content  | GHS Classification   |
|---|----------|--|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | < 0.01 % | Acute toxicity 3; Oral<br>H301<br>Acute toxicity 2; Inhalation<br>H330<br>Acute toxicity 3; Dermal<br>H311<br>Skin corrosion/irritation 1<br>H314<br>Serious eye damage/eye irritation 1<br>H318<br>Skin sensitizer 1A<br>H317<br>Acute hazards to the aquatic environment 1<br>H400<br>Chronic hazards to the aquatic environment 1<br>H410 |

**Section 4. First aid measures**

**Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

**Skin contact:**

Rinse with running water and soap.  
If symptoms develop and persist, get medical attention.

**Eye contact:**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Ingestion:**

Do not induce vomiting.  
Get medical attention.

### Section 5. Fire fighting measures

**Suitable extinguishing media:**

All common extinguishing agents are suitable.

**Special protection equipment and precautions for firefighters:**

Wear self-contained breathing apparatus.  
Wear full protective clothing.

**Hazardous combustion products:**

Carbon monoxide.

### Section 6. Accidental release measures

**Personal precautions:**

Danger of slipping on spilled product.

**Environmental precautions:**

Do not empty into drains / surface water / ground water.

**Clean-up methods:**

Remove with liquid-absorbing material (sand, peat, sawdust).

### Section 7. Handling and storage

**Handling:**

Use only in well-ventilated areas.  
Avoid skin and eye contact.

**Storage:**

Store in a cool, dry place.

## Section 8. Exposure controls / personal protection

### Components with specific control parameters for workplace:

#### Respiratory protection:

If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.

#### Hand protection:

Protective gloves made of rubber.

Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

#### Eye protection:

Protective goggles

Protective eye equipment should conform to EN166.

#### Body protection:

Use of impervious apron and boots are recommended.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

#### Engineering controls:

Ensure good ventilation/extraction.

#### General protection and hygiene measures:

The workplace should be equipped with an emergency shower and eye-rinsing facility.

#### Hygienic measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Good industrial hygiene practices should be observed.

## Section 9. Physical and chemical properties

|  |   |
|--|---|
| <b>Appearance:</b>                             | white<br>liquid   |
| <b>Odor:</b>                                   | characteristic  |
| <b>Odor threshold (CA):</b>                    | No data available.  |
| <b>pH:</b>                                     | 4.0 - 6.0   |
| <b>Melting point / freezing point:</b>         | No data available.  |
| <b>Specific gravity:</b>                       | No data available.  |
| <b>Boiling point:</b>                          | 100 °C (212 °F)   |
| <b>Flash point:</b>                            | Not applicable  |
| <b>Evaporation rate:</b>                       | No data available.  |
| <b>Flammability (solid, gas):</b>              | No data available.  |
| <b>Lower explosive limit:</b>                  | No data available.  |
| <b>Upper explosive limit:</b>                  | No data available.  |
| <b>Vapor pressure:</b>                         | No data available.  |
| <b>Vapor density:</b>                          | No data available.  |
| <b>Density:</b>                                | 1.10 g/cm <sup>3</sup>  |
| <b>Solubility:</b>                             | No data available.  |
| <b>Partition coefficient: n-octanol/water:</b> | No data available.  |
| <b>Auto ignition:</b>                          | No data available.  |
| <b>Decomposition temperature:</b>              | No data available.  |
| <b>Viscosity:</b>                              | 8,000 - 14,000 cp<br>(Brookfield; 23 °C (73.4 °F);<br>speed of rotation: 20 min <sup>-1</sup> ;<br>Spindle No: 5; Method: no<br>method) |

**VOC content:** No data available.

### Section 10. Stability and reactivity

**Reactivity/Incompatible materials:**

None if used for intended purpose.

**Chemical stability:**

Stable under recommended storage conditions.

**Conditions to avoid:**

None if used for intended purpose.

**Hazardous decomposition products:**

No decomposition if used according to specifications.

### Section 11. Toxicological information

**General toxicological information:**

To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.

Symptoms of Overexposure:

None known.

**Acute oral toxicity:**

|   |            |  |
|---|------------|--|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Value type | LD50                                     |
|   | Value      | 120 mg/kg                                |
|   | Species    | rat                                      |
|   | Method     | EPA OPPTS 870.1100 (Acute Oral Toxicity) |

**Acute inhalative toxicity:**

|   |               |  |
|---|---------------|--|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Value type    | LC50   |
|   | Value         | 0.11 mg/l                                      |
|   | Exposure time | 4 h  |
|   | Species       | rat  |
|   | Method        | OECD Guideline 403 (Acute Inhalation Toxicity) |

**Acute dermal toxicity:**

|   |            |  |
|---|------------|--|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Value type | LD50                                       |
|   | Value      | 242 mg/kg                                  |
|   | Species    | rat  |
|   | Method     | OECD Guideline 402 (Acute Dermal Toxicity) |

**Skin corrosion/irritation:**

|   |               |  |
|---|---------------|--|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Result        | corrosive  |
|   | Exposure time | 4 h  |
|   | Species       | rabbit   |
|   | Method        | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Respiratory or skin sensitization:**

|   |           |   |
|---|-----------|---|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Result    | sensitising                             |
|   | Test type | Buehler test                            |
|   | Species   | guinea pig                              |
|   | Method    | OECD Guideline 406 (Skin Sensitisation) |

**Germ cell mutagenicity:**

|   |   |  |
|---|---|--|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Result                                  | negative   |
|   | Type of study / Route of administration | bacterial reverse mutation assay (e.g Ames test)   |
|   | Metabolic activation / Exposure time    | with and without   |
|   | Method                                  | OECD Guideline 471 (Bacterial Reverse Mutation Assay)  |
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Result                                  | negative   |
|   | Type of study / Route of administration | in vitro mammalian chromosome aberration test  |
|   | Metabolic activation / Exposure time    | with and without   |
|   | Method                                  | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)                           |
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Result                                  | negative   |
|   | Type of study / Route of administration | mammalian cell gene mutation assay   |
|   | Metabolic activation / Exposure time    | with and without   |
|   | Method                                  | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)                              |
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Result                                  | negative   |
|   | Type of study / Route of administration | oral: gavage   |
|   | Metabolic activation / Exposure time    |  |
|   | Species                                 | mouse  |
|   | Method                                  | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)                                 |
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Result                                  | negative   |
|   | Type of study / Route of administration | oral: gavage   |
|   | Metabolic activation / Exposure time    |  |
|   | Species                                 | rat  |
|   | Method                                  | OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo) |

**Repeated dose toxicity:**

|   |  |  |
|---|--|--|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Result                                 | NOAEL=60 mg/kg   |
|   | Route of application                   | oral: gavage   |
|   | Exposure time / Frequency of treatment | 90 ddaily  |
|   | Species                                | rat  |
|   | Method                                 | OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

**Section 12. Ecological information**

**General ecological information:**

Do not empty into drains / surface water / ground water.

**Toxicity:**

|   |                      |   |
|---|----------------------|---|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Value type           | LC50  |
|   | Value                | 4.77 mg/l   |
|   | Acute Toxicity Study | Fish  |
|   | Exposure time        | 96 h  |
|   | Species              | Oncorhynchus mykiss   |
|   | Method               | OECD Guideline 203 (Fish, Acute Toxicity Test)                        |
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Value type           | EC50  |
|   | Value                | 0.93 mg/l   |
|   | Acute Toxicity Study | Daphnia   |
|   | Exposure time        | 48 h  |
|   | Species              | Daphnia magna   |
|   | Method               | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)            |
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Value type           | NOEC  |
|   | Value                | 0.03 mg/l   |
|   | Acute Toxicity Study | Algae   |
|   | Exposure time        | 72 h  |
|   | Species              | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) |
|   | Method               | OECD Guideline 201 (Alga, Growth Inhibition Test)                     |
|   | Value type           | EC50  |
|   | Value                | 0.22 mg/l   |
|   | Acute Toxicity Study | Algae   |
|   | Exposure time        | 72 h  |
|   | Species              | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) |
|   | Method               | OECD Guideline 201 (Alga, Growth Inhibition Test)                     |

|   |                      |  |
|---|----------------------|--|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Value type           | EC 50  |
|   | Value                | 41 mg/l  |
|   | Acute Toxicity Study | Bacteria   |
|   | Exposure time        | 3 h  |
|   | Species              | activated sludge   |
| Method                                    |                      | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

**Persistence and degradability:**

|   |                      |   |
|---|----------------------|---|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | Result               | inherently biodegradable  |
|   | Route of application | aerobic   |
|   | Degradability        | 97 %  |
|   | Method               | OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)                    |
|   | Result               | readily biodegradable   |
|   | Route of application | aerobic   |
|   | Degradability        | > 70 %  |
|   | Method               | OECD Guideline 309 (Aerobic Mineralisation in Surface Water Simulation Biodegradation Test) |

**Bioaccumulative potential / Mobility in soil:**

|   |             |  |
|---|-------------|--|
| 2-methylisothiazol-3(2H)-one<br>2682-20-4 | LogPow      | -0.5   |
|   | Temperature |  |
|   | Method      | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |

**Section 13. Disposal considerations**

**Product**

**Method of disposal:**

Dispose of in accordance with local and national regulations.

**Packaging**

**Disposal of uncleaned packages:**

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

**Section 14. Transport information**

**Road transport ADR:**

Not dangerous goods

**Railroad transport RID:**

Not dangerous goods

**Inland water transport ADN:**

Not dangerous goods

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

**Section 15. Regulatory information**

**Regulatory Information:**

Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555

**Global inventory status:**

| Regulatory list | Notification |
|-----------------|--------------|
| TSCA            | yes          |
| DSL             | yes          |
| KECI (KR)       | yes          |
| ENCS (JP)       | yes          |
| IECSC           | yes          |
| AICS            | yes          |
| PICCS (PH)      | yes          |
| CH INV          | yes          |
| EINECS          | yes          |

**Section 16. Other information**

**Disclaimer:**

This Safety Data Sheet has been generated based on Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555 only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance. This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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