



## Safety Data Sheet

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AQUENCE LD 344 known as Adhesin 344 MD100 KG

SDS No. : 401517

V001.6

Revision: 20.05.2021

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

**Product name:**

AQUENCE LD 344 known as Adhesin 344 MD100 KG

**Other means of identification:**

AQUENCE LD 344 100KG

**Product code:**

IDH1238553

**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

Chronic hazards to the aquatic environment

**Hazard Category**

Category 1

Category 3

**GHS label elements:**

**Hazard pictogram:**



**Signal word:**

Warning

**Hazard statement:**

H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

**Precaution:**

**Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
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
Titanium dioxide 13463-67-7	1- 10 %	
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	< 0.01 %	Acute toxicity 3; Oral H301 Acute toxicity 2; Inhalation H330 Acute toxicity 2; Dermal H310 Skin corrosion/irritation 1 H314 Serious eye damage/eye irritation 1 H318 Skin sensitizer 1A H317 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410
2-methylisothiazol-3(2H)-one 2682-20-4	< 0.01 %	Acute toxicity 3; Oral H301 Acute toxicity 2; Inhalation H330 Acute toxicity 3; Dermal H311 Skin corrosion/irritation 1 H314 Serious eye damage/eye irritation 1 H318 Skin sensitizer 1A H317 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410

#### Section 4. First aid measures

**Inhalation:**

Move to fresh air.  
If not breathing, give artificial respiration.  
Get medical attention.

**Skin contact:**

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

**Eye contact:**

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.  
If symptoms develop and persist, get medical attention.

**Ingestion:**

Never give anything by mouth to an unconscious person.  
Get medical attention.

#### Section 5. Fire fighting measures

**Suitable extinguishing media:**

Water spray (fog), foam, dry chemical or carbon dioxide.

**Specific hazards arising from the chemical:**

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) can be released.

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

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

#### Section 6. Accidental release measures

**Environmental precautions:**

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

**Clean-up methods:**

Absorb spill with inert material. Shovel material into appropriate container for disposal.  
Wash spillage site thoroughly with soap and water or detergent solution.  
Dispose of contaminated material as waste according to Section 13.

#### Section 7. Handling and storage

**Handling:**

Avoid skin and eye contact.  
Use only in well-ventilated areas.  
Do not return unused product to original container.

**Storage:**

Store in tightly closed containers, cool and dry.  
Keep away from heat and direct sunlight.  
> + 15 °C  
< + 30 °C

**Section 8. Exposure controls / personal protection**

Components with specific control parameters for workplace:

TITANIUM DIOXIDE 13463-67-7	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	10
	<b>Remarks</b>	ACGIH

**Respiratory protection:**

Use a NIOSH approved respirator if ventilation is inadequate.

**Hand protection:**

Use impervious gloves.

**Eye protection:**

Wear chemical goggles; face shield (if splashing is possible).  
Protective eye equipment should conform to EN166.

**Body protection:**

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

**Engineering controls:**

Ensure adequate ventilation.  
Ventilation should effectively remove and prevent buildup of any vapor/mist/fume/dust generated from the handling of this product.

**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>	Milky white liquid
<b>Odor:</b>	characteristic
<b>Odor threshold (CA):</b>	No data available.
<b>pH:</b>	4 - 6
<b>Melting point / freezing point:</b>	< 4 °C (< 39.2 °F)
<b>Specific gravity:</b>	1.05
<b>Boiling point:</b>	> 100 °C (> 212 °F)
<b>Flash point:</b>	> 100 °C (> 212 °F)
<b>Evaporation rate:</b>	1 (Water = 1)
<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> (; 20 °C (68 °F))	17.5 mm hg
<b>Vapor density:</b>	0.62 (Air = 1)
<b>Density:</b>	No data available.
<b>Solubility:</b>	Miscible
<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>	10,000 - 13,000 cp

(Brookfield; Instrument: RVT; 27  
°C (80.6 °F); speed of rotation:  
10 min-1; Spindle No: 4;  
Method: no method)

**VOC content:** No data available.

### Section 10. Stability and reactivity

**Reactivity/Incompatible materials:**

Avoid contact with materials sensitive to water.

**Conditions to avoid:**

Stable under recommended storage conditions.

**Hazardous decomposition products:**

Carbon monoxide.

Carbon dioxide.

### Section 11. Toxicological information

**Oral toxicity:** Acute toxicity estimate (ATE) : > 5,000 mg/kg  
Method: Calculation method

Symptoms of Overexposure: None known.

**Acute oral toxicity:**

Titanium dioxide 13463-67-7	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Value type	LD50
	Value	66 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
2-methylisothiazol-3(2H)-one 2682-20-4	Value type	LD50
	Value	120 mg/kg
	Species	rat
	Method	EPA OPPTS 870.1100 (Acute Oral Toxicity)

**Acute inhalative toxicity:**

Titanium dioxide 13463-67-7	Value type	LC50
	Value	> 6.82 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Value type	LC50
	Value	0.171 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
2-methylisothiazol-3(2H)-one 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:**

Titanium dioxide 13463-67-7	Value type	LD50
	Value	>= 10,000 mg/kg
	Species	hamster
	Method	not specified
	Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Value type
Value		87.12 mg/kg
Species		rabbit
Method		OECD Guideline 402 (Acute Dermal Toxicity)
2-methylisothiazol-3(2H)-one 2682-20-4		Value type
	Value	242 mg/kg
	Species	rat
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

**Skin corrosion/irritation:**

Titanium dioxide 13463-67-7	Result	not irritating
	Exposure time	4 h
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
	Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result
Exposure time		4 h
Species		rabbit
Method		OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
2-methylisothiazol-3(2H)-one 2682-20-4		Result
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Titanium dioxide 13463-67-7	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
	Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result
Exposure time		
Species		rabbit
Method		not specified

**Respiratory or skin sensitization:**

Titanium dioxide 13463-67-7	Result	not sensitising
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	sensitising
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	not specified
2-methylisothiazol-3(2H)-one 2682-20-4	Result	sensitising
	Test type	Buehler test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

Titanium dioxide 13463-67-7	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)
Titanium dioxide 13463-67-7	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)
Titanium dioxide 13463-67-7	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)
Titanium dioxide 13463-67-7	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	ambiguous
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	positive
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	EPA OPP 84-2 (Mutagenicity Testing)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	positive
	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)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	negative
	Type of study / Route of administration	DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro
	Metabolic activation / Exposure time	not applicable
	Method	OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	negative
	Type of study / Route of administration	oral: feed
	Metabolic activation / Exposure time	
	Species	Drosophila melanogaster
	Method	OECD Guideline 477 (Genetic Toxicology: Sex-linked Recessive Lethal Test in Drosophila melanogaster)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	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)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	rat



	Method	EPA OPP 84-2 (Mutagenicity Testing)
2-methylisothiazol-3(2H)-one 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 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 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 2682-20-4	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	mouse
2-methylisothiazol-3(2H)-one 2682-20-4	Method	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
2-methylisothiazol-3(2H)-one 2682-20-4	Species	rat
	Method	OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)

**Repeated dose toxicity:**

Titanium dioxide 13463-67-7	Result	NOAEL=1,000 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)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	NOAEL=16.3 mg/kg
	Route of application	oral: drinking water
	Exposure time / Frequency of treatment	90 ddaily
	Species	rat
	Method	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	NOAEL=0.34 mg/m3
	Route of application	inhalation: aerosol
	Exposure time / Frequency of treatment	90 d6 h/d, 5 d/w
	Species	rat
	Method	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	NOAEL=2.625 mg/kg
	Route of application	dermal
	Exposure time / Frequency of treatment	90 d6 h/d
	Species	rat
	Method	EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days)
2-methylisothiazol-3(2H)-one 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.

**Ecotoxicity:** Harmful to aquatic life with long lasting effects.

**Toxicity:**

Titanium dioxide 13463-67-7	Value type	LC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Fish

	Exposure time	48 h
	Species	Leuciscus idus
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Titanium dioxide 13463-67-7	Value type	EC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Titanium dioxide 13463-67-7	Value type	EC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Titanium dioxide 13463-67-7	Value type	EC0
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Bacteria
	Exposure time	24 h
	Species	Pseudomonas fluorescens
	Method	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Value type	LC50
	Value	0.22 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
	Value type	NOEC
	Value	0.098 mg/l
	Acute Toxicity Study	Fish
	Exposure time	28 d
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 210 (fish early lite stage toxicity test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Value type	EC50
	Value	0.12 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Value type	EC50
	Value	0.0052 mg/l
	Acute Toxicity Study	Algae
	Exposure time	48 h
	Species	Skeletonema costatum
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOEC
	Value	0.00064 mg/l
	Acute Toxicity Study	Algae
	Exposure time	48 h
	Species	Skeletonema costatum
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Value type	EC20
	Value	0.97 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	3 h
	Species	activated sludge
	Method	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
2-methylisothiazol-3(2H)-one 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 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 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 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:**

Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Result	inherently biodegradable
	Route of application	aerobic
	Degradability	100 %
	Method	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	Result	readily biodegradable
	Route of application	aerobic
	Degradability	> 60 %
	Method	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
2-methylisothiazol-3(2H)-one 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:**

Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	Bioconcentration factor (BCF)	3.6
	Exposure time	
	Species	calculation
	Temperature	
	Method	QSAR (Quantitative Structure Activity Relationship)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	LogPow	-0.71 - 0.75
	Temperature	20 °C
	Method	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
2-methylisothiazol-3(2H)-one 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
DSL	yes
KECI (KR)	yes
AICS	yes
CH INV	yes
EINECS	yes

### Section 16. Other information

**Disclaimer:**

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Dear Customer,

Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative.

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