



## Safety Data Sheet

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AQUENCE FB 3475  
Known as ADHESIN 3475

SDS No. : 319755  
V000.0

Date of issue: 16-05-2019

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

**Product name:** AQUENCE FB 3475  
Known as ADHESIN 3475

**Supplier:**  
Henkel Australia Pty Ltd  
135-141 Canterbury Road  
Kilsyth, Victoria, 3137  
Australia  
  
Phone: +61 (3) 9724 6444

**Emergency information:** 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

### Section 2. Hazards identification

**Classification of the substance or mixture**  
Hazardous according to the criteria of Safe Work Australia.

#### GHS Classification:

**Hazard Class**  
Skin sensitizer

**Hazard Category**  
Category 1

**Hazard pictogram:**



**Signal word:** Warning  
**Hazard statement(s):** H317 May cause an allergic skin reaction.

**Precautionary Statement(s):**  
**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, eye protection, and face protection.

**Response:** P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water/ shower.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

**Disposal:** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

Classification of material Xi - Irritant

**Risk phrases:**

R43 May cause sensitisation by skin contact.

**Safety phrases:**

S24/25 Avoid contact with skin and eyes.

S28 After contact with skin, wash immediately with plenty of water.

S36/37 Wear suitable protective clothing and gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

**Dangerous Goods information:**

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Signal word:**

HAZARDOUS

### Section 3. Composition / information on ingredients

**General chemical description:** Mixture  
Synthetic resin

**Type of preparation:** Adhesive, 1-component

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Toluene	108-88-3	< 3 %
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	55965-84-9	< 0.06 %
non hazardous ingredients~		60- 100 %

### Section 4. First aid measures

**Ingestion:** Rinse out mouth. Do not drink.  
In case of adverse health effects seek medical advice.

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

**Eyes:** Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

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

**First Aid facilities:** Eye wash  
Normal washroom facilities

**Medical attention and special treatment:** Treat symptomatically.

### Section 5. Fire fighting measures

**Combustion behaviour:** The product does not support combustion in any way.

**Decomposition products in case of fire::** carbon oxides.  
Irritating organic vapours.

**Special protective equipment for fire-fighters:** Wear protective equipment.  
Wear self-contained breathing apparatus.

**Additional fire fighting advice:** In case of fire, keep containers cool with water spray.  
Collect contaminated fire fighting water separately. It must not enter drains.

## Section 6. Accidental release measures

**Personal precautions:** See advice in section 8  
Danger of slipping on spilled product.

**Environmental precautions:** Do not empty into drains / surface water / ground water.

**Clean-up methods:** For small spills wipe up with paper towel and place in container for disposal.  
For large spills absorb onto inert absorbent material and place in sealed container for disposal.

## Section 7. Handling and storage

**Precautions for safe handling:** See advice in section 8  
Wear suitable protective clothing, gloves and eye/face protection.

**Conditions for safe storage:** Store in a cool, well-ventilated place.  
Keep container tightly sealed and store in a frost free place.  
Protect from freezing.

## Section 8. Exposure controls / personal protection

### National exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
TOLUENE 108-88-3		50	191	-	-	-	-
TOLUENE 108-88-3		-	-	-	-	150	574

**Engineering controls:** Ensure good ventilation/extraction.

**Eye protection:** Safety glasses.

**Skin protection:** Use of protective coveralls and long sleeves is recommended.  
Suitable protective gloves.

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.

**Respiratory protection:** If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

## Section 9. Physical and chemical properties

<b>Appearance:</b>	white emulsion
<b>Odor:</b>	Solvent, mild
<b>pH:</b>	4.5 - 5.5
<b>Boiling point:</b>	100 °C (212 °F)
<b>Flash point:</b> (no method)	48 °C (118.4 °F)
<b>Density:</b>	1.01 - 1.09 g/cm <sup>3</sup>

## Section 10. Stability and reactivity

<b>Stability:</b>	Stable under normal conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Excessive heat. Freezing conditions.
<b>Incompatible materials:</b>	None known
<b>Hazardous decomposition products:</b>	Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

## Section 11. Toxicological information

<b>Health Effects:</b>	
<b>Ingestion:</b>	Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.
<b>Skin:</b>	Prolonged or repeated contact may cause irritation. May cause an allergic skin reaction.
<b>Eyes:</b>	May cause mild irritation
<b>Inhalation:</b>	Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.
<b>Chronic effects:</b>	
<b>Toluene 108-88-3:</b>	Functional disturbances/damage to the central-nervous system, skin damage (through contact with the liquid); in humans severe central nervous system effects including brain atrophy have been found at very high exposure levels. Neuropsychological effects, effects on the inner ear in humans and finding of nonmalignant tumours in mice are reported. Case studies on high-level toluene exposure of pregnant women (sniffing) provide evidence of developmental toxicity (physical and neurological abnormalities).

### Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Toluene 108-88-3	LD50 LC50 LD50	5,580 mg/kg 28.1 mg/l > 5,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	Not specified
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2- methyl-3(2H)- isothiazolone 55965-84-9	LD50 LD50	53 mg/kg 660 mg/kg	oral dermal		rat rabbit	

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Toluene 108-88-3	irritating		rabbit	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	corrosive			

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2- methyl-3(2H)- isothiazolone 55965-84-9	Sensitizing		guinea pig	

**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Toluene 108-88-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

**Section 12. Ecological information**

**General ecological information:** Do not empty into drains / surface water / ground water.**Ecotoxicity:** Harmful to aquatic life.**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Toluene 108-88-3	NOEC	3.2 mg/l	Fish	28 d	Cyprinodon variegatus	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
Toluene 108-88-3	LC50	5.5 mg/l	Fish	96 h	Oncorhynchus kisutch	OECD Guideline 203 (Fish, Acute Toxicity Test)
Toluene 108-88-3	EC50	11.5 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Toluene 108-88-3	IC50	12 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Toluene 108-88-3	NOEC	29 mg/l	Bacteria	16 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshe mm-Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	LC50	0.22 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	NOEC	0.098 mg/l	Fish	28 d	Oncorhynchus mykiss	OECD 210 Guideline (fish early lite stage toxicity test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	EC50	0.048 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	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	NOEC	0.0012 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	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	EC10	0.59 mg/l	Bacteria	16 h		

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Toluene 108-88-3	readily biodegradable	aerobic	80 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9		aerobic	97 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	readily biodegradable		> 60 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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Toluene 108-88-3		90	3 d	Leuciscus idus melanotus		OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
Toluene 108-88-3	2.73				20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9		3.6		calculation		
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 55965-84-9	-0.71 - 0.75				20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

### Section 13. Disposal considerations

- Waste disposal of product:** Dispose of in accordance with local and national regulations.
- Recommended cleanser:** Clean the packaging with water.
- Disposal for uncleaned package:** Collection and delivery to recycling enterprise or other registered elimination institution.

### Section 14. Transport information

**Road and Rail Transport:**

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**General information:**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

### Section 15. Regulatory information

**SUSMP Poisons Schedule** None

**AICS:** All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

#### Section 16. Other information

**Abbreviations/acronyms:**

IMDG: International Maritime Dangerous Goods code  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
ADGC - Australian Dangerous Goods Code  
STEL - Short term exposure limit  
TWA - Time weighted average

**Reason for issue:**

Reviewed SDS. Reissued with new date. involved chapters: 1 - 16

**Date of previous issue:**

04.02.2014

**Disclaimer:**

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