



Safety Data Sheet

AQUENCE FB 3475 20KG

Page 1 of 7

SDS No. : 319755

V001.5

Date of issue: 16.05.2023

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

Product name: AQUENCE FB 3475 20KG

Intended use: Water based adhesive

Supplier:

Henkel Australia Pty Ltd
135-141 Canterbury Road
Kilsyth, Victoria, 3137
Australia

Phone: +61 (3) 9724 6444

Emergency Telephone for Chemical Accidents: 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

Section 2. Hazards identification

Classification of the substance or mixture

Not hazardous according to the criteria of Safe Work Australia.

No classification required.

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).

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	1- < 3 %
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						150	574
TOLUENE 108-88-3		50	191				

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**Appearance:**

white

liquid

Odor:

Solvent, mild

pH:(Concentration: 100 % product)

4.5 - 5.5

Boiling point:

100 °C (212 °F)

Density:

1.01 - 1.09 g/cm3

Section 10. Stability and reactivity**Stability:**

Stable under normal conditions of temperature and pressure.

Conditions to avoid:

Excessive heat.

Freezing conditions.

Incompatible materials:

None known

Hazardous decomposition products:

Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

Section 11. Toxicological information**Health Effects:****Ingestion:**

Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Skin:

May cause mild skin irritation.

Eyes:

May cause mild irritation

Inhalation:

Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.

Chronic effects:**Toluene****108-88-3:**

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	EU Method B.1 (Acute Toxicity (Oral)) equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Toluene 108-88-3	irritating	4 h	rabbit	EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Toluene 108-88-3	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Toluene 108-88-3	not sensitising	Guinea pig maximisation test	guinea pig	EU Method B.6 (Skin Sensitisation)

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 negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		EU Method B.13/14 (Mutagenicity) equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Toluene 108-88-3	negative negative	intraperitoneal inhalation: vapour		rat mouse	not specified OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Toluene 108-88-3	NOAEL=625 mg/kg	oral: gavage	13 wdaily, 5 d/w	rat	EU Method B.26 (Sub- Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Toluene 108-88-3	NOAEL=1131 mg/m3	inhalation: vapour	24 m6.5 h/d, 5 d/w	rat	equivalent or similar to OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Toluene 108-88-3	NOAEL=2355 mg/m3	inhalation: vapour	15 w6.5 h/d, 5 d/w	rat	EU Method B.29 (Sub- Chronic Inhalation Toxicity Test:90-Day Repeated Inhalation Dose Study Using Rodent Species)

Section 12. Ecological information**General ecological information:**

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

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	3.78 mg/l	Daphnia	48 h	Ceriodaphnia dubia	other guideline:
Toluene 108-88-3	IC50	12 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella 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)

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)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
---------------------------------	--------	----------------------------------	------------------	---------	-------------	--------

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	EU Method A.8 (Partition Coefficient)

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).

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Not dangerous goods

Section 15. Regulatory information

- SUSMP Poisons Schedule** None
- AIC:** All components are listed or are exempt from listing on the Australian Inventory of Industrial Chemicals or Introduced under AICIS.

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
 - AIC - Australian Inventory of Industrial Chemicals (AIC)
 - AICIS - Australian Industrial Chemicals Introduction Scheme

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

Date of previous issue: 22.08.2018

Disclaimer:

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel Australia Pty. Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel Australia Pty. Limited concerning the properties of the material.

The information contained in the Safety Data Sheet is offered in good faith and has been developed from what is believed to be accurate and reliable sources. The information is offered without warranty, representation, inducement or licence and Henkel Australia Pty. Limited assumes no legal responsibility for reliance upon same. Henkel Australia Pty. Limited disclaims any liability for loss, injury or damage incurred in connection with the use of the material or its associated Safety Data Sheet.

This information is not to be construed as a representation that the material is suitable for any particular purpose or use except those conditions and warranties implied by either Commonwealth or State statutes. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use.

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.