Safety Data Sheet

AQUENCE KL E3 known as DORUS KL E3 1100KG PL

SDS No. : 429280
V001.11
Date of issue: 12.12.2022

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

Product name: AQUENCE KL E3 known as DORUS KL E3 1100KG PL

Intended use: Adhesive

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
Not hazardous according to the criteria of Safe Work Australia.

GHS Classification:

Hazard Class	Hazard Category
Acute hazards to the aquatic environment	Category 3

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
Type of preparation: Adhesive, water-based

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Corn starch	9005-25-8	< 10 %
vinyl acetate	108-05-4	< 1 %
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

Suitable extinguishing media: Extinguish using agent suitable for type of surrounding fire.

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.

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.
Temperatures between + 5 °C and + 30 °C
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)
STARCH 9005-25-8	Inhalable dust.		10				
VINYL ACETATE 108-05-4		10	35				
VINYL ACETATE 108-05-4						20	70

Engineering controls: Ensure adequate ventilation.

Eye protection: Safety glasses.

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

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: mild
pH:(Concentration: 100 % product) 2.5 - 3.6
Solubility in water: Miscible

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: Prolonged or repeated contact may cause irritation.

Eyes: May cause mild irritation

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

Carcinogenicity: Category 1B (Carcinogen), May cause cancer.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Corn starch 9005-25-8	LD50	> 5,000 mg/kg	oral		rat	not specified
vinyl acetate 108-05-4	LD50 Acute toxicity estimate (ATE) LC50 LD50	3,500 mg/kg 11.27 mg/l 4490 ppm 7,440 mg/kg	oral inhalation inhalation dermal	 4 h 	rat rat rabbit	not specified Expert judgement not specified not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
vinyl acetate 108-05-4	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
vinyl acetate 108-05-4	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
vinyl acetate 108-05-4	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
vinyl acetate 108-05-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
vinyl acetate 108-05-4	ambiguous	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
vinyl acetate 108-05-4	NOAEL=5000 ppm	oral: drinking water	3 mdaily	rat	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:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Corn starch 9005-25-8	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Corn starch 9005-25-8	EC 50	> 100 mg/l	Bacteria	3 h		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
vinyl acetate 108-05-4	LC50	26 mg/l	Fish	48 h	Leuciscus idus melanotus	OECD Guideline 203 (Fish, Acute Toxicity Test)
vinyl acetate 108-05-4	NOEC	0.551 mg/l	Fish	34 d	Pimephales promelas	OECD Guideline 210 (fish early lite stage toxicity test)
vinyl acetate 108-05-4	EC50	12.6 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
vinyl acetate 108-05-4	NOEC	5.96 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
vinyl acetate 108-05-4	EC50	12.7 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method

Corn starch 9005-25-8	readily biodegradable	aerobic	67 %	ISO 10708 (BODIS-Test)
vinyl acetate 108-05-4	readily biodegradable	aerobic	82 - 98 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
vinyl acetate 108-05-4	0.73				25 °C	other guideline:

Section 13. Disposal considerations

Waste disposal of product: Dispose of according to Federal, State and local governmental regulations.

Recommended cleanser: Clean the packaging with water.

Disposal for uncleaned package: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

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

AIIC: 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:
CAS: Chemical Abstracts Service
GHS: Globally Harmonized System
LD 50: Lethal Dose 50%
LC 50: Lethal Concentration 50%
OECD: Organization for Economic Cooperation and Development
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
AIIC - Australian Inventory of Industrial Chemicals (AIIC)
AICIS - Australian Industrial Chemicals Introduction Scheme

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Disclaimer:

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