

Safety Data Sheet

CLAX DUAL SOFT

Revision: 2019-01-28 **Version:** 01.0

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name: CLAX DUAL SOFT

1.2 Recommended use and restrictions on use

Identified uses: Fabric softener Restrictions of use:

Uses other than those identified are not recommended

1.3 Details of the supplier

Diversey Australia Pty. Limited 29 Chifley St, Smithfield, NSW, 2164, Australia Telephone: 1800 647 779 (toll free)

Fax: (02) 9725 5767

Email: aucustserv@diversey.com Website: www.diversey.com/

1.4 Emergency telephone number

Call 1800 033 111 (24hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Serious eye damage, Category 1 Skin irritation, Category 2

2.2 Label elements



Signal word: Danger

Hazard statements:

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

Prevention statement(s):

P233 - Keep container tightly closed.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P280 - Wear protective gloves, protective clothing and eye or face protection.

Response statement(s):

P332 + P313 - If skin irritation occurs: Get medical advice or attention.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

P310 - Immediately call a POISON CENTRE, doctor or physician.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P362 - Take off contaminated clothing.

Disposal statement(s):

P501 - Dispose of unused content as chemical waste.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.1 Substances / Mixtures

Ingredient(s)	CAS number	EC number	Weight
			percent
phosphoric acid	7664-38-2	231-633-2	10-30
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides	61789-80-8	263-090-2	3-10

[4] Polymer.

Ingestion:

Non-hazardous ingredients are the remainder and add up to 100%.

Workplace exposure limit(s), if available, are listed in subsection 8.1.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention or advice if

you feel unwell.

doctor or physician.

Skin contact: Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice

or attention.

Eye contact: Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE,

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious

person. Get medical attention or advice if you feel unwell.

Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2.

First aid facilities: Eyewash facilities should be considered in a workplace where necessary.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: No known effects or symptoms in normal use.

Skin contact: Causes irritation.

Eye contact:Ingestion:
Causes severe or permanent damage.
No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found

in section 11.

Poison Information Center: Call 13 11 26 (Australia Wide).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

5.4 Hazchem code

None allocated

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Measures to prevent fire and explosions:

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless adviced by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing. Wash contaminated clothing before reuse. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters Workplace exposure limits

Air limit values, if available:

Ingredient(s)	Long term value(s) (TWA)	Short term value(s) (STEL)	Peak value(s)
phosphoric acid	1 mg/m³	3 mg/m ³	

Biological limit values, if available:

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Appropriate engineering controls: No special requirements under normal use conditions.

Avoid direct contact and/or splashes where possible. Train personnel. Appropriate organisational controls:

Personal protective equipment

Safety glasses or goggles (EN 166). Eye / face protection:

Hand protection: Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and

breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such

as risk of splashes, cuts, contact time and temperature.

No special requirements under normal use conditions.

Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may

occur (EN 14605).

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Method / remark

Physical State: Liquid Colour: White

Odour: Product specific Odour threshold: Not applicable

pH: < 1.5 (neat)

Body protection:

Respiratory protection:

Melting point/freezing point (°C): Not determined

Initial boiling point and boiling range (°C): Not determined

Flammability (liquid): Not flammable.

Not relevant to classification of this product

Flash point (°C): Not applicable.

Sustained combustion: Not applicable.

(UN Manual of Tests and Criteria, section 32, L.2)

Evaporation rate: Not determined

Flammability (solid gas): Not applicable to liquide

Flammability (solid, gas): Not applicable to liquids Upper/lower flammability limit (%): Not determined

Vapour pressure: Not determined Vapour density: Not determined

Relative density: ≈ 1.06 (20 °C) Solubility in / Miscibility with Water: Fully miscible

Partition coefficient: n-octanol/water No information available. Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Autoignition temperature: Not determined Decomposition temperature: Not applicable.

Viscosity: Not determined

Explosive properties: Not explosive. **Oxidising properties:** Not oxidising

9.2 Other information

Surface tension (N/m): Not determined Corrosion to metals: Not corrosive

Not relevant to classification of this product

Not relevant to classification of this product

OECD 109 (EU A.3)

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

Reacts with alkali. Keep away from products containing chlorine-based bleaching agents or sulphites.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No data is available on the mixture.

Substance data, where relevant and available, are listed below:.

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
phosphoric acid	LD 50	> 300	Rat	OECD 423 (EU B.1 tris)	
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
phosphoric acid	LD 50	2740	Rabbit	Method not given	
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl,		No data			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
phosphoric acid	LC 50	850	Rat	Method not given	2
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl,		No data			
chlorides		available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
phosphoric acid	Corrosive	Rabbit	OECD 404 (EU B.4)	
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
phosphoric acid	Severe damage	Rabbit	Method not given	
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
phosphoric acid	No data available			
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides	No data available			

Sensitisation

Sensitisation by skin contact

Contraction by chair contact				
Ingredient(s)	Result	Species	Method	Exposure time (h)
phosphoric acid	Not sensitising	Human	Human experience	
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl,	No data available			
chlorides				

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
phosphoric acid	No data available			
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 473 OECD 476 (Mouse lymphoma)		
quaternary ammonium compounds,	No data available		No data available	
bis(hydrogenated tallow alkyl)dimethyl, chlorides				

Carcinogenicity

Carcinogenicity	
Ingredient(s)	Effect
phosphoric acid	No data available
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl,	No data available
chlorides	

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
phosphoric acid	NOAEL	Developmental toxicity	410	Rat	OECD 422, oral	, ,	No evidence for reproductive toxicity No evidence for developmental toxicity
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides			No data available				

Repeated dose toxicity Sub-acute or sub-chronic oral toxicity

Sub-acute of sub-chronic oral toxicity						
Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Specific effects and organs
		(mg/kg bw/d)			time (days)	affected
phosphoric acid	NOAEL	250	Rat	OECD 422,		
				oral		
quaternary ammonium compounds, bis(hydrogenated		No data				
tallow alkyl)dimethyl, chlorides		available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
phosphoric acid		No data				
		available				
quaternary ammonium compounds, bis(hydrogenated		No data				

tallow alkyl)dimethyl, chlorides	available		

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
phosphoric acid		No data			(, , , ,	
		available				
quaternary ammonium compounds, bis(hydrogenated		No data				
tallow alkyl)dimethyl, chlorides		available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
	Toule					unie	organs anected	
phosphoric acid			No data					
			available					
quaternary ammonium			No data					
compounds,			available					
bis(hydrogenated tallow								
alkyl)dimethyl, chlorides								

STOT-single exposure

5101 Single exposure	
Ingredient(s)	Affected organ(s)
phosphoric acid	No data available
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl,	No data available
chlorides	

STOT-repeated exposure

	Ingredient(s)	Affected organ(s)
ſ	phosphoric acid	No data available
	1 ,	No data available
	chlorides	

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
phosphoric acid	LC 50	138	Gambusia affinis	Method not given	96
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
phosphoric acid	EC 50	> 100	Daphnia magna Straus	OECD 202 (EU C.2)	48
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
phosphoric acid	EC 50	> 100	Desmodesmus subspicatus	OECD 201 (EU C.3)	72
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
phosphoric acid		No data			-
		available			
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl,		No data			

		CLAX D	UAL SOFT						
chlorides				availal	ble				
									•
mpact on sewage plants - toxicity to bacteria Ingredient(s)			Endpoint	Valu (mg/l	-			Method E	
phosphoric acid			EC 50	270			Method not given		time
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides			No da availal		siauge				
Aquatic long-term toxicity Aquatic long-term toxicity - fish									
Ingredient(s)	Endpoint	Valu (mg/		ecies	Meth		osure me	Effects ob	served
phosphoric acid		No da availa	nta						
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides		No da availa	ita						
quatic long-term toxicity - crustacea									
Ingredient(s)	Endpoint	Valu (mg/)	ecies	Meth		osure me	Effects ob	served
phosphoric acid		No da availa							
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides		No da availa	ita						
quatic toxicity to other aquatic benthic organisms, include	ding sediment	t-dwelling	organisms, if	available:					
Ingredient(s)	Endpoint	Valu (mg/kg sedime	dw .	ecies	Meth		osure (days)	Effects ob	served
phosphoric acid		No da availa	nta				-		
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides		No da availa							
errestrial toxicity errestrial toxicity - soil invertebrates, including earthwor	ms, if availabl	le:							
Ingredient(s)	Endpoint	Valu (mg/kg soil	dw	ecies	Meth		osure (days)	Effects ob	served
phosphoric acid		No da availa	ita				-		
errestrial toxicity - plants, if available:									
Ingredient(s)	Endpoint	Valu (mg/kg soil	dw .	ecies	Meth		osure (days)	Effects ob	served
phosphoric acid		No da availa	nta				-		
errestrial toxicity - birds, if available:									
Ingredient(s)	Endpoint	Valu	e Sp	ecies	Meth		osure (days)	Effects ob	served
phosphoric acid		No da availa					-		
errestrial toxicity - beneficial insects, if available:									
Ingredient(s)	Endpoint	Valu (mg/kg soil	dw .	ecies	Meth		osure (days)	Effects ob	served
phosphoric acid		No da availa	nta				-		

12.2 Persistence and degradability

Terrestrial toxicity - soil bacteria, if available:

Abiotic degradation
Abiotic degradation - photodegradation in air, if available:

Ingredient(s)

phosphoric acid

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Value

(mg/kg dw soil)

No data available

Species

Endpoint

Exposure time (days)

Method

Effects observed

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT 50	Method	Evaluation
phosphoric acid					Not applicable (inorganic substance)
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides					No data available

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
phosphoric acid	No data available		No bioaccumulation expected	
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
phosphoric acid	No data available			No bioaccumulation expected	
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides					

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
phosphoric acid	No data available				Potential for mobility in soil, soluble in water
quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides	No data available				

12.5 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods Waste from residues / unused

products:

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

Empty packaging

Recommendation:

Dispose of observing national or local regulations.

Suitable cleaning agents: Water, if necessary with cleaning agent.

SECTION 14: Transport information

ADG, IMO/IMDG, ICAO/IATA

14.1 UN number: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods **14.3 Transport hazard class(es):** Non-dangerous goods

14.4 Packing group: Non-dangerous goods

14.5 Environmental hazards: Non-dangerous goods

Environmentally hazardous: No

Marine pollutant: No

14.6 Special precautions for user: Non-dangerous goods

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.

Non-dangerous goods

Other relevant information: Hazchem code: None allocated

The product has been classified, labelled and packaged in accordance with the requirements of ADG7.5 Code and the provisions of the IMDG Code

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by

Safework Australia

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard

for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classification Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by

Safework Australia.

Inventory listing(s) AICS (Australian Inventory of Chemical Substances): All components are listed on AICS, or are

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

SDS code: MS31000889 Version: 01.0 Revision: 2019-01-28

Additional information:

Acids: When mixing acids with water (diluting), caution must be taken as heat will be generated which causes violent spattering. Always add a small volume of acid to a large volume of water, NEVER the reverse.

Respirators: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

Work practices - solvents: Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

Exposure standards - Time Weighted Average (TWA) or Workplace Exposure Standard (WES) (NZ): Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

Personal protective equipment guidelines: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Health effects from exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Safety Data Sheet which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations and acronyms:

- DNEL Derived No Effect Limit
- · AUH GHS Specific hazard statement
- PNEC Predicted No Effect Concentration
- ATE Acute Toxicity Estimate
- LD50 Lethal Dose, 50% / Median Lethal dose
- LC50 Lethal Concentration, 50% / Median Lethal Concentration
- EC50 effective concentration, 50%
- NOEL No observed effect level
- · NOAEL No observed adverse effect level
- STOT-RE Specific target organ toxicity (repeated exposure)
- STOT-SE Specific target organ toxicity (single exposure)
- EC No. European Community Number OECD Organization for Economic Cooperation and Development

End of Safety Data Sheet