

**DOXALL™  
FRAGRANCE FREE  
HAND & SURFACE  
SANITISERS**

**SAFETY DECLARATION**

**JULY 2021**

**Doxall™**

[www.doxall.com](http://www.doxall.com)

## DOXALL™

### FRAGRANCE FREE HAND SANITISER AND FRAGRANCE FREE SURFACE CLEANER AND SANITISER PRODUCTS

Ten Carbon Chemistry Pty Ltd as the vendor declare that **Doxall™ Fragrance-Free Hand Sanitiser and Fragrance Free Surface Cleaner and Sanitiser products** are food safe and suitable for use in food handling and processing establishments.

#### SAFE TO USE IN A RANGE OF SETTINGS.

**Doxall™ Fragrance Free Hand Sanitiser and Fragrance Free Surface Cleaner and Sanitiser products** are efficacious against 99.9 percent of germs, are non-hazardous, are hypoallergenic and water based and have a high safety profile.

The **active and excipient** ingredients in Doxall™ fragrance free products:

- Are naturally occurring in foods;
- Are Generally Regarded as Safe (US FDA GRAS status);
- Are approved food flavourings; and/or
- Are direct food additives and/or
- Are approved as a food processing aide; and/or
- Are approved as a medical nutrient supplement.

The **Fragrance Free formulation** offers a safe and effective hand sanitiser and surface cleaner and sanitiser for facilities such as childcare centres and school premises, where any potential for children with allergies must be effectively managed.

#### Very Low Risk to People

The consumer exposure from ingesting food that has had incidental contact with Doxall™ sanitised hard surfaces is very low and does not pose any risk of harm to the consumer due to the high margins of safety the products offer.

We have determined that even an incident of accidental spraying of 5 pumps of the applicator trigger (~5.0 mL) of Doxall™ Fragrance Free Surface Cleaner and Sanitiser directly onto food<sup>1</sup>, which is then consumed by a single person in one day, would not pose a health risk to the consumer.

Indeed, under this worst-case exposure scenario the margins of safety are orders of magnitude (220–2000 fold) above the safety margins established for the dietary intake for humans of the active and excipient ingredients as set by the Food and Agriculture/World Health Organisation Joint Expert Committee on Food Additives (JECFA).

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<sup>1</sup> It should be noted that Doxall™ products are NOT intended for direct application to food. The “worst- case scenario” described significantly overestimates exposure and our products should be used as per the label instructions.

# Declaration of 'Fit for Purpose':

## Food processing & Preparation Areas

**Company name:** Ten Carbon Chemistry Pty Ltd  
**Product Name:** Doxall™ Fragrance Free Hand Sanitiser; Fragrance Free Surface Cleaner & Sanitiser (Doxall™ Products)  
**Name of Active compound:** Capric Acid

### Category of use:

(1) The Doxall™ Products are to be used as general sanitising agents for use in all areas, including in food processing areas and on food preparation hard surfaces. When used as part of a HACCP principle-based Food Safety Plan, and in accordance with label directions, the Doxall™ Products do not have harmful effects on the health of consumers from incidental contact with food.

(2) If used in accordance with the directions of use on its label, the Doxall™ Products are safe for use, being:



- a. A non-hazardous product, having:
  - o active ingredient with GRAS status (Generally Regarded as Safe, USFDA); an approved food additive and flavouring agent (JECFA);
  - o major excipient assessed as "no safety concerns" and approved for direct food use as a flavouring agent (JECFA) and approved as a nutritional supplement for humans, with a safe daily intake for an adult of 20-30 gram/day.
- b. Active ingredients and excipients are food safe, i.e., suitable for use in food processing and preparation areas and incidental contact with food will pose no harm to consumers. Our chemicals are sourced from reputable manufacturers and assayed as having high purity following acceptable analytical assay methodology.
- c. Water based, and environmentally responsible (capric acid was found to not have any unacceptable influence on the environment: EC Regulation 546/2011).

(3) Given 2) above, the formulation of the Doxall™ Products comply with the relevant standard set out in the Australia New Zealand Food Standards Code of the Food Standard Australia New Zealand (FSANZ).

Ten Carbon Chemistry Pty Ltd (TCC) has thoroughly assessed the safety of the Doxall™ Products for use in food processing and preparation areas. This declaration is supplied with a copy of the label (including directions of use) and an SDS. TCC acknowledges that this declaration is rendered invalid by:

- a) Any change in the formulation of the above-mentioned Doxall Products.
- b) Any change in instructions for use in the above-mentioned Doxall Products.

- c) Any incorrect and/or unintended use of the above-mentioned Doxall Products.
- d) Exceeding five (5) years from date of issue.

Name	Brett Carter CEO	Margaret Hartley Director
Qualification	BSc (Applied Chemistry), MBA, GAICD	PhD, RACI Chartered Chemist, FTSE
Signature		

Date of Issue July 2021

# Safety Data Sheet

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*Doxall™* Surface Sanitiser

## Section 1: Identification of the substance / mixture and of the company / undertaking

### Product Identifier

Product name: Doxall Surface Sanitiser  
Other means of identification: None

### Relevant identified user of the substance or mixture and uses advised against

Relevant identified uses: Hard surface sanitiser. Use according to manufacturer's directions.

### Details of the supplier of the data sheet

Registered company name: Ten Carbon Chemistry Pty Ltd  
Address: PO Box 4317 Hawker ACT 2614

Phone: 03 9068 6458  
Email: [info@tencarbon.com](mailto:info@tencarbon.com)

### Emergency telephone number

Emergency Phone Number: 13 11 26 (Poison's Information Centre)

## Section 2: Hazards Identification

### GHS classification

Non-hazardous chemical. Non-dangerous goods. According to the WHS Regulations and ADG Code.

### GHS label elements

Not applicable.

**Hazard statements**

Not applicable.

**Precautionary statements**

Not applicable.

**Response statements**

Not applicable.

**Storage statements**

Not applicable.

**Disposal statements**

Not applicable.

**Section 3: Composition / information on ingredients**

**Substance / Mixture**

Mixture

**Ingredients**

CAS No	% Weight	Name
334-48-5	<3%	Capric Acid
N/A	>90	Ingredients determined not to be hazardous.

**Section 4: First aid measures**

**Description of first aid measures**

Eye Contact	Hold eyelids apart and flush the eye continuously with cool running water for 1-3 minutes. Ensure complete irrigation of eye.
Skin Contact	Considered safe for skin. If skin irritation occurs (swelling/redness), wash skin with water for 1-3 minutes. Cease application.
Inhalation	If fumes, aerosols or combustion products are inhaled and produce irritation, move person to fresh air.

Ingestion Rinse mouth with water. First aid is generally not required. If large volumes are ingested (>300mL for a 70kg adult), consult a doctor or the Poisons Information Centre.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically

**Section 5: Firefighting measures**

**Extinguishing media**

No restrictions on the type of extinguishing media. Consider the surrounding areas. In such an event, consider foam, dry chemical powder, and carbon dioxide.

**Special hazards arising from the substrate or mixture**

None known.

**Advice for firefighters**

Wear breathing apparatus plus protective gloves in the event of a fire. Prevent spillage from entering drains or water courses. Cool fire exposed containers with water spray from a protected location.

**Additional Information**

HAZCHEM not applicable.

**Section 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. See Section 8.

**Environmental Precautions**

See Section 12.

**Methods and materials for containment and cleaning up**

Clean up spills. Avoid contact with eyes. Contain spill with absorbent material, such as toweling. Prevent spill entering storm water drains or waterways. Wipe up and dispose of clean up material in a suitable, labelled container for waste disposal.

## Section 7: Handling and storage

### Precautions for safe handling

Use within a well-ventilated area, and according to the manufacturer's use instructions. When exposed to large quantities outside the manufacturer's use instructions, limit unnecessary personal contact by wearing protective clothing when risk of exposure occurs.

### Conditions for safe storage, including any incompatibilities

Check all containers are clearly labelled and free from leaks. Store product in original containers. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff. Keep containers securely sealed. Protect containers against physical damage and check regularly for leaks. No storage incompatibilities known.

## Section 8: Exposure controls / personal protection

### Control parameters

Contains no substances with known Occupational Exposure Limits (OEL).

### Exposure controls

Appropriate engineering controls	Use in well ventilated area. Handle in accordance with good industrial hygiene and safety practice.
Personal protective equipment	No special equipment required when handling small quantities. Otherwise, use equipment for eye protection tested and approved by government standards, wear chemical protective gloves, wear overalls, and have access to an eye wash station. If required, respiratory protection should be suitable for particulate matter (AS/NZS 1716 & 1715, EN 143:2000 & 149:001, ANSI Z88 or national equivalent).





## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Clear to slight yellow liquid; mixes with water
Physical state	Liquid
Odour	Characteristic
Odour threshold	Not available
pH	7.6 – 8.6
Melting point / freezing point	approx. 0°C
Initial boiling point	approx. 100°C
Flash point	N/A
Evaporation rate	Not available
Flammability	N/A
Upper explosive limit	N/A
Lower explosive limit	N/A
Vapour pressure	Not available
Solubility in water	Miscible
Vapour density (air = 1)	Not available
Relative density (water = 1)	1.00 – 1.02
Partition coefficient n-octanol / water	Not available
Auto ignition temperature	N/A
Decomposition temperature	Not available
Viscosity (cSt)	approx. 1cP
Molecular weight (g/mol)	N/A
Taste	N/A
Explosive properties	Not available
Oxidising properties	Not available

## Section 10: Stability and reactivity

### Reactivity

No data available.

### Chemical stability

Product is considered stable.

**Possibility of hazardous reactions**

Product should not undergo hazardous reactions under recommended use and storage conditions.

**Conditions to avoid**

No data available.

**Incompatible materials**

Do not mix with other chemicals.

**Hazardous decomposition products**

No data available.

**Section II: Toxicological information****Information on toxicological effects****Acute toxicity**

No data available. For capric acid, the acute oral LD50 value in rats was >10,000 mg/kg.

**Skin irritation / corrosion**

Skin contact is not thought to have harmful health effects (as classified under EC Directives). Skin irritation could be caused in some persons after repeated exposure.

**Serious eye damage / irritation**

The product may be irritating to the eye.

**Respiratory or skin sensitization**

Unlikely to be a hazard due to non-volatile nature of product. The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC directives using animal models).

**Mutagenicity**

No data available.

**Carcinogenicity**

No ingredient of this product present at levels greater than or equal to 0.1% is probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available.

**STOT – single exposure**

No data available

**STOT – repeated exposure**

No data available

**Aspiration hazard**

No data available

**Section 12: Ecological information**

**Toxicity**

No product data available.

For capric acid, according to *Europe ECHA Registered Substances – Ecotoxicological Information – Aquatic Toxicity*:

<b>Endpoint</b>	<b>Test Duration (hour)</b>	<b>Species</b>	<b>Value (mg/L)</b>
LC50	96	Fish	>16
EC50	48	Crustacea	>20
EC50	72	Algae	5.9
NOEC	504	Crustacea	0.2

**Persistence and degradability**

No product data available. For capric acid, low persistence in water, soil and air.

**Bioaccumulative potential**

No product data available. For capric acid, medium bioaccumulation (LogKOW = 4.09)

**Mobility in soli**

No data available. For capric acid, low mobility (KOC = 87.16).

## Section 13: Disposal considerations

### Waste treatment methods

Consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified. Dispose of by burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration.

## Section 14: Transport information

### Labels required

No. Not a marine pollutant. HAZCHEM not applicable.

### Land transport (ADG)

Not regulated for transport of dangerous goods.

### Air transport (ICAO – IATA / DGR)

Not regulated for transport of dangerous goods.

### Sea transport (IMDG-Code / GGVSee)

Not regulated for transport of dangerous goods.

### Transport in bulk according to Annex II of MARPOL and IBC code

Not applicable.

## Section 15: Regulatory information

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

Poisons Schedule (SUSMP)	Ingredients not listed
Australian Inventory of Chemical Substances (AICS)	All ingredients listed
Hazardous Chemical Information System (HCIS)	Capric acid listed

## Section 16: Other information

### Effective Date

16 May 2021

# Safety Data Sheet

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*Doxall™* Hand Sanitiser

## Section 1: Identification of the substance / mixture and of the company / undertaking

### Product Identifier

Product name: Doxall Hand Sanitiser  
Other means of identification: None

### Relevant identified user of the substance or mixture and uses advised against

Relevant identified uses: Hand sanitiser. Use according to manufacturer's directions.

### Details of the supplier of the data sheet

Registered company name: Ten Carbon Chemistry Pty Ltd  
Address: Waterman Business Centre,  
075 / 44 Lakeview Dr Scoresby VIC 3179  
Phone: 03 9068 6458  
Email: [info@tencarbon.com](mailto:info@tencarbon.com)

### Emergency telephone number

Emergency Phone Number: 13 11 26 (Poison's Information Centre)

## Section 2: Hazards Identification

### GHS classification

Non-hazardous chemical. Non-dangerous goods. According to the WHS Regulations and ADG Code.

### GHS label elements

Not applicable.

**Hazard statements**

Not applicable.

**Precautionary statements**

Not applicable.

**Response statements**

Not applicable.

**Storage statements**

Not applicable.

**Disposal statements**

Not applicable.

**Section 3: Composition / information on ingredients**

**Substance / Mixture**

Mixture

**Ingredients**

CAS No	% Weight	Name
334-48-5	<3%	Capric Acid
N/A	>90	Ingredients determined not to be hazardous.

**Section 4: First aid measures**

**Description of first aid measures**

Eye Contact	Hold eyelids apart and flush the eye continuously with cool running water for 1-3 minutes. Ensure complete irrigation of eye.
Skin Contact	Considered safe for skin. If skin irritation occurs (swelling/redness), wash skin with water for 1-3 minutes. Cease application.
Inhalation	If fumes, aerosols or combustion products are inhaled and produce irritation, move person to fresh air.



Ingestion Rinse mouth with water. First aid is generally not required. If large volumes are ingested (>300mL for an 70kg adult), consult a doctor or the Poisons Information Centre.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically

## Section 5: Firefighting measures

### Extinguishing media

No restrictions on the type of extinguishing media. Consider the surrounding areas. In such an event, consider foam, dry chemical powder, and carbon dioxide.

### Special hazards arising from the substrate or mixture

None known.

### Advice for firefighters

Wear breathing apparatus plus protective gloves in the event of a fire. Prevent spillage from entering drains or water courses. Cool fire exposed containers with water spray from a protected location.

### Additional Information

HAZCHEM not applicable.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. See Section 8.

### Environmental Precautions

See Section 12.

### Methods and materials for containment and cleaning up

Clean up spills. Avoid contact with eyes. Contain spill with absorbent material, such as toweling. Prevent spill entering storm water drains or waterways. Wipe up and dispose of clean up material in a suitable, labelled container for waste disposal.

## Section 7: Handling and storage

### Precautions for safe handling

Use according to the manufacturer's use instructions. When exposed to large quantities outside the manufacturer's use instructions, limit unnecessary personal contact by wearing protective clothing when risk of exposure occurs.

### Conditions for safe storage, including any incompatibilities

Check all containers are clearly labelled and free from leaks. Store product in original containers. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff. Keep containers securely sealed. Protect containers against physical damage and check regularly for leaks. No storage incompatibilities known.

## Section 8: Exposure controls / personal protection

### Control parameters

Contains no substances with known Occupational Exposure Limits (OEL).

### Exposure controls

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice.
Personal protective equipment	No special equipment required when handling small quantities.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Clear to slight yellow liquid; mixes with water
Physical state	Liquid
Odour	Characteristic
Odour threshold	Not available
pH	7.6 – 8.6
Melting point / freezing point	approx. 0°C
Initial boiling point	approx. 100°C
Flash point	N/A
Evaporation rate	Not available
Flammability	N/A





Upper explosive limit	N/A
Lower explosive limit	N/A
Vapour pressure	Not available
Solubility in water	Miscible
Vapour density (air = 1)	Not available
Relative density (water = 1)	1.00 – 1.02
Partition coefficient n-octanol / water	Not available
Auto ignition temperature	N/A
Decomposition temperature	Not available
Viscosity (cSt)	approx. 1cP
Molecular weight (g/mol)	N/A
Taste	N/A
Explosive properties	Not available
Oxidising properties	Not available

## Section 10: Stability and reactivity

### Reactivity

No data available.

### Chemical stability

Product is considered stable.

### Possibility of hazardous reactions

Product should not undergo hazardous reactions under recommended use and storage conditions.

### Conditions to avoid

No data available.

### Incompatible materials

Do not mix with other chemicals.

### Hazardous decomposition products

No data available.

## Section 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

No data available. For capric acid, the acute oral LD50 value in rats was >10,000 mg/kg.

#### Skin irritation / corrosion

Skin contact is not thought to have harmful health effects (as classified under EC Directives). Skin irritation could be caused in some persons after repeated exposure.

#### Serious eye damage / irritation

The product may be irritating to the eye.

#### Respiratory or skin sensitization

Unlikely to be a hazard due to non-volatile nature of product. The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC directives using animal models).

#### Mutagenicity

No data available.

#### Carcinogenicity

No ingredient of this product present at levels greater than or equal to 0.1% is probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

No data available.

#### STOT – single exposure

No data available

#### STOT – repeated exposure

No data available

#### Aspiration hazard

No data available

## Section 12: Ecological information

### Toxicity

No product data available.

For capric acid, according to *Europe ECHA Registered Substances – Ecotoxicological Information – Aquatic Toxicity*:

Endpoint	Test Duration (hour)	Species	Value (mg/L)
LC50	96	Fish	>16
EC50	48	Crustacea	>20
EC50	72	Algae	5.9
NOEC	504	Crustacea	0.2

### Persistence and degradability

No product data available. For capric acid, low persistence in water, soil and air.

### Bioaccumulative potential

No product data available. For capric acid, medium bioaccumulation (LogKOW = 4.09)

### Mobility in soli

No data available. For capric acid, low mobility (KOC = 87.16).

## Section 13: Disposal considerations

### Waste treatment methods

Consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified. Dispose of by burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration.

## Section 14: Transport information

### Labels required

No. Not a marine pollutant. HAZCHEM not applicable.

### Land transport (ADG)

Not regulated for transport of dangerous goods.

**Air transport (ICAO – IATA / DGR)**

Not regulated for transport of dangerous goods.

**Sea transport (IMDG-Code / GGVSee)**

Not regulated for transport of dangerous goods.

**Transport in bulk according to Annex II of MARPOL and IBC code**

Not applicable.

**Section 15: Regulatory information**

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

Poisons Schedule (SUSMP)	Ingredients not listed
Australian Inventory of Chemical Substances (AICS)	All ingredients listed
Hazardous Chemical Information System (HCIS)	Capric acid listed

**Section 16: Other information**

**Effective Date**

16 May 2021