



Version: 1 (18/08/2021)

# SAFETY DATA SHEET

In accordance with UN GHS latest edition

**Product:** Citronella Fragrance FIA212731

Version: 1

# Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

Product identifier: Citronella Fragrance FIA212731

Other identifiers: None

1.2 Relevant identified uses of the substance of mixture and uses advised against

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: Fragrance Innovation Australia Company address: Unit 2, 32 Wodonga Street

Beverley

South Australia 5009

Australia

**Contact:** Regulatory Affairs

E-Mail address: info@fragranceinnovation.com.au

+61 8 8445 6235 Company phone:

1.4 Emergency telephone number

**Emergency phone:** 

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

Class and category of Flammable Liquid, Hazard Category 4

danger:

Skin Corrosion / Irritation Category 2 Eye Damage / Irritation Category 1 Sensitization - Skin Category 1 Germ Cell Mutagenicity Category 2

Carcinogenicity Category 2

Hazardous to the Aquatic Environment - Acute Hazard Category 2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2

H227, Combustible liquid. H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H341, Suspected of causing genetic defects (exposure route).

H351, Suspected of causing cancer (exposure route). H411, Toxic to aquatic life with long lasting effects.





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2.2 Label elements

Signal word: Danger

**Hazard statements:** H227, Combustible liquid.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H341, Suspected of causing genetic defects (exposure route).

H351, Suspected of causing cancer (exposure route). H411, Toxic to aquatic life with long lasting effects.

Precautionary statements:

P202, Do not handle until all safety precautions have been read and understood.

P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

P261, Avoid breathing vapour or dust.

P264, Wash hands and other contacted skin thoroughly after handling.

P272, Contaminated work clothing should not be allowed out of the workplace.

P273, Avoid release to the environment.

P280, Wear protective gloves/eye protection/face protection. P302/352, IF ON SKIN: Wash with plenty of soap and water.

P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P308/313, IF exposed or concerned: Get medical advice/attention. P310, Immediately call a POISON CENTER or doctor/physician.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P362, Take off contaminated clothing and wash before reuse.

P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.

P391, Collect spillage.

P403/235, Store in a well-ventilated place. Keep cool.

P405, Store locked up.

P501, Dispose of contents/container to approved disposal site, in accordance with local

regulations.

Pictograms:



Other hazards: None





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Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:



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Name	CAS	EC	%	GHS Classification
Citral	5392-40-5	226-394-6	20-<50%	Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A- Skin Sens. 1B-Aquatic Acute 2;H313- H315-H317-H319-H401
Diethyl phthalate	84-66-2	201-550-6	10-<20%	Skin Irrit. 3-Aquatic Acute 3;H316-H402
Citronellal	106-23-0	203-376-6	10-<20%	Flam. Liq. 4-Acute Tox. 5-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2;H227-H303-H313-H315-H317-H319-H401
Geraniol	106-24-1	203-377-1	5-<10%	Acute Tox. 5-Skin Irrit. 2-Eye Dam. 1- Skin Sens. 1-Aquatic Acute 3;H303- H315-H317-H318-H402
Citronellol	106-22-9	203-375-0	1-<5%	Acute Tox. 5-Acute Tox. 5-Skin Irrit. 2- Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2;H303-H313-H315-H317-H319-H401
2-Hexyl-(E)-cinnamaldehyde	165184-98-5, 101-86-0	639-566-4	1-<5%	Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B- Aquatic Acute 1-Aquatic Chronic 2;H303- H316-H317-H400-H411
Estragole	140-67-0	205-427-8	1-<5%	Flam. Liq. 4-Acute Tox. 4-Skin Irrit. 3- Skin Sens. 1B-Muta. 2-Carc. 2;H227- H302-H316-H317-H341-H351
Geranyl acetate	105-87-3	203-341-5	1-<5%	Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 3;H315-H317-H401-H412
Linalool	78-70-6	201-134-4	1-<5%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 3; H227-H303-H315-H317-H319-H402
I-Limonene	5989-54-8	227-815-6	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B- Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410
Butylated hydroxytoluene	128-37-0	204-881-4	1-<5%	Aquatic Acute 1-Aquatic Chronic 1;H410
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopenta-gamma-2- benzopyran	1222-05-5	214-946-9	1-<5%	Skin Irrit. 3-Aquatic Acute 1-Aquatic Chronic 1;H316-H410
Citronellyl acetate	150-84-5	205-775-0	0.1-<1%	Skin Irrit. 2-Aquatic Acute 2-Aquatic Chronic 2;H315-H411
4-tert-Butylcyclohexyl acetate	32210-23-4	250-954-9	0.1-<1%	Acute Tox. 5-Skin Sens. 1B-Aquatic Acute 2;H303-H317-H401
Isohexenyl cyclohexenyl carboxaldehyde	37677-14-8	253-617-4	0.1-<1%	Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2;H317-H411
Limonene	5989-27-5	227-813-5	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B- Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410
Benzyl salicylate	118-58-1	204-262-9	0.1-<1%	Acute Tox. 5-Eye Irrit. 2B-Skin Sens. 1B- Aquatic Acute 2-Aquatic Chronic 3;H303- H317-H320-H401-H412
Dimyrcetol	18479-58-8	242-362-4	0.1-<1%	Flam. Liq. 4-Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Aquatic Acute 3;H227-H303- H315-H319-H402
Isocitral #3	UKNOWN		0.1-<1%	Acute Tox. 5-Skin Irrit. 3-Eye Irrit. 2A- Skin Sens. 1B-Aquatic Acute 3-Aquatic Chronic 3;H303-H316-H317-H319-H412
dl-Limonene (racemic)	138-86-3	205-341-0	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B- Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H226-H304-H315-H317-H410
Isocitral #2	72203-98-6		0.1-<1%	Acute Tox. 5-Skin Irrit. 3-Eye Irrit. 2A- Skin Sens. 1B-Aquatic Acute 3-Aquatic Chronic 3;H303-H316-H317-H319-H412
beta-Caryophyllene	87-44-5	201-746-1	0.1-<1%	Skin Irrit. 3-Skin Sens. 1B-Asp. Tox 1; H304-H316-H317
Benzyl benzoate	120-51-4	204-402-9	0.1-<1%	Acute Tox. 4-Acute Tox. 5-Aquatic Acute 1-Aquatic Chronic 2;H302-H313-H400-H411
Camphene	79-92-5	201-234-8	0.1-<1%	Flam. Liq. 3-Flam. Sol. 2-Eye Irrit. 2B- Aquatic Acute 1-Aquatic Chronic 1;H226- H228-H320-H410



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# Substances with Community workplace exposure limits, not listed above:

Name	CAS	EC	%
Butylated hydroxytoluene	128-37-0	204-881-4	1.00%
Diethyl phthalate	84-66-2	201-550-6	19.88%

## Section 4. First-aid measures

### 4.1 Description of first aid measures

IF ON SKIN: Wash with plenty of soap and water.

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

Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Immediately call a POISON CENTER or doctor/physician.

# 4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Suspected of causing genetic defects (exposure route).

Suspected of causing cancer (exposure route).

### 4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

# 5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

# 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

# Section 6. Accidental release measures

# 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.



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## 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

### 6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

#### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

### Section 7. Handling and storage

#### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

## 7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

# 7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

# Section 8. Exposure controls/personal protection

#### 8.1 Control parameters

Workplace exposure limits:

Ingredient	CAS	EC	Description	ppm	mg/m³	Referenc e
Dutulated by draw taluana	128-37-0	204-881-4	Long-term exposure limit (8-hour TWA reference period)	-	-	-
Butylated hydroxytoluene			Short-term exposure limit (15-minute reference period)	-	-	-
Diethyl phthalate 84-66	94 66 2	66-2 201-550-6	Long-term exposure limit (8-hour TWA reference period)	-	-	-
	04-00-2		Short-term exposure limit (15-minute reference period)	-	-	-

### **8.2 Exposure Controls**

#### Eye / Skin Protection

Wear protective gloves/eye protection/face protection





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# **Respiratory Protection**

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

# Section 9. Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

Appearance:Faint Yellow - Pale StrawOdour:Citrus, Citronella, Basil

pH: Not determined Initial boiling point / range: Not determined

Flash point: > 90 °C

Vapour pressure:Not determinedRelative density:0.9350 - 0.9490Solubility(ies):Not determined

**9.2 Other information:** None available

### Section 10. Stability and reactivity

## 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

#### 10.2 Chemical stability:

Good stability under normal storage conditions.

## 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

#### 10.4 Conditions to avoid:

Avoid extreme heat.

# 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

#### 10.6 Hazardous decomposition products:

Not expected.





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# Section 11. Toxicological information

# 11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in UN GHS.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Suspected of causing genetic defects (exposure route).

Suspected of causing cancer (exposure route).

Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: >5000
Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: >5000

Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available Inhalation Route: Not Available

# Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Estragole	140-67-0	205-427-8	1230	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

### Section 12. Ecological information

#### 12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

**12.3 Bioaccumulative potential:** Not available

**12.4 Mobility in soil:** Not available

#### 12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Other adverse effects:** Not available



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### Section 13. Disposal considerations

#### 13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

# **Section 14. Transport information**

**14.1 UN number:** UN3082

14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (I-

Limonene, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-

gamma-2-benzopyran)

14.3 Transport hazard class(es): 9

Sub Risk:

14.4. Packing Group:

**14.5 Environmental hazards:** This is an environmentally hazardous substance.

**14.6 Special precautions for user:** None additional

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

## Section 15. Regulatory information

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

Water Hazard Class (WGK): 3

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

#### **Section 16. Other information**

**Concentration % Limits:** EH A2=19.08% EH A3=1.87% EH C2=48.61% EH C3=4.84% SCI 2=17.

41% SCI 3=1.60% EDI 1=37.76% EDI 2A=8.01% SS 1=3.84% MUT 2=33.

61% CAR 2=33.61%

**Total Fractional Values:** EH A2=5.24 EH A3=53.61 EH C2=2.06 EH C3=20.67 SCI 2=5.74 SCI

3=62.57 EDI 1=2.65 EDI 2A=12.49 SS 1=26.04 MUT 2=2.98 CAR 2=2.98

Key to revisions:

Not applicable

### Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 5	Acute Toxicity - Dermal Category 5
Acute Tox. 5	Acute Toxicity - Oral Category 5
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1





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Aquatic Acute 2	Hazardous to the Aquatic Environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the Aquatic Environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2A	Eye Damage / Irritation Category 2A
Eye Irrit. 2B	Eye Damage / Irritation Category 2B
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
Flam. Liq. 4	Flammable Liquid, Hazard Category 4
Flam. Sol. 2	Flammable Solid, Hazard Category 2
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H228	Flammable solid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H341	Suspected of causing genetic defects (exposure route).
H351	Suspected of causing cancer (exposure route).
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Muta. 2	Germ Cell Mutagenicity Category 2
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.





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Wash hands and other contacted skin thoroughly after handling.  Do not eat, drink or smoke when using this product.  Contaminated work clothing should not be allowed out of the workplace.  Avoid release to the environment.  Wear protective gloves/eye protection/face protection.  FSWALLOWED: Immediately call a POISON CENTER or doctor/physician.  FSWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.  FSWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.  FON SKIN: Wash with plenty of soap and water.  FIN SYSTEM (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  FIN EYES: Rinse cautiously with water or several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  Fexposed or concerned: Get medical advice/attention.  Fin Exposed or concerned: Get medical advice/attention.  Fin Exposed or concerned: Get medical advice/attention.  Rinse mouth.  Call a POISON CENTRE or doctor/physician if you feel unwell.  Rinse mouth.  Do not induce vomiting.  Fish irritation occurs: Get medical advice/attention.  Fish irritation occurs: Get medical advice/attention.  Fish irritation or rash occurs: Get medical advice/attention.  Fish irritation persists: Get medical advice/attention.  Fish irritation or rash occurs: Get medical advice/attention.  Fish irritation occurs: Get medical advice/attention.  Fish irritation occurs: Get medical advice/attention.  Fish irritation occurs: Get medical advice/attention.	P261	Avoid breathing vapour or dust.
Do not eat, drink or smoke when using this product.  Contaminated work clothing should not be allowed out of the workplace.  Avoid release to the environment.  Wear protective gloves/eye protection/face protection.  PS280 Wear protective gloves/eye protection/face protection.  PS280 Wear protective gloves/eye protection/face protection.  PS280/1310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  PS390/1312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.  PS290/1352 IF ON SKIN: Wash with plenty of soap and water.  PS290/1353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower IF IN EYES: Rinse cauliously with water for several minutes. Remove contact lenses, if present and easy to do Continue rinsing.  PS390/361/338 IF exposed or concerned: Get medical advice/attention.  Immediately call a POISON CENTER or doctor/physician.  PS310 Immediately call a POISON CENTER or doctor/physician.  PS312 Call a POISON CENTRE or doctor/physician if you feel unwell.  Rinse mouth.  PS331 Do not induce vomiting.  PS332/313 If skin irritation occurs: Get medical advice/attention.  PS331 If skin irritation occurs: Get medical advice/attention.  PS331 If eye irritation persists: Get medical advice/attention.  PS337/313 If skin irritation persists: Get medical advice/attention.  PS337/313 If eye irritation persists: Get medical advice/attention.  PS337/313 If eye irritation persists: Get medical advice/attention.  PS337/313 If see irritation persists: Get medi		
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Avoid release to the environment.  Wear protective gloves/eye protection/face protection.  Wear protective gloves/eye protection/face protection.  IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.  IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.  IF ON SKIN: Wash with plenty of soap and water.  IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower in the protection of the prot	· ·	
Wear protective gloves/eye protection/face protection.    FSWALLOWED: Immediately call a POISON CENTER or doctor/physician.	P272	Contaminated work clothing should not be allowed out of the workplace.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.  IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.  IF ON SKIN: Wash with plenty of soap and water.  IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to doc. Continue rinsing.  IF exposed or concerned: Get medical advice/attention.  Immediately call a POISON CENTER or doctor/physician.  Call a POISON CENTRE or doctor/physician if you feel unwell.  Rinse mouth.  Do not induce vomiting.  If skin irritation occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  If sya37/313  If eye irritation or rash occurs: Get medical advice/attention.  If eye irritation persists: Get medical advice/attention.  Take off contaminated clothing and wash before reuse.  Wash contaminated clothing before reuse.  Wash contaminated clothing before reuse.  In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Irrit. 3  Skin Corrosion / Irritation Category 3  Skin Sens. 1	P273	Avoid release to the environment.
IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.  P302/352  IF ON SKIN: Wash with plenty of soap and water.  P303/361/353  IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower in IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsinq.  P308/313  IF exposed or concerned: Get medical advice/attention.  P310  Immediately call a POISON CENTER or doctor/physician.  P312  Call a POISON CENTER or doctor/physician if you feel unwell.  P312  Rinse mouth.  Do not induce vomiting.  P332/313  If skin irritation occurs: Get medical advice/attention.  P333/313  If skin irritation or rash occurs: Get medical advice/attention.  P3362  Take off contaminated clothing and wash before reuse.  Wash contaminated clothing before reuse.  Wash contaminated clothing before reuse.  P363  P370/378  In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  Collect spillage.  P360  Store in a well-ventilated place. Keep cool.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Irrit. 3  Skin Corrosion / Irritation Category 3  Skin Sens. 1  Sensitization - Skin Category 1	P280	Wear protective gloves/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.  IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower do. Continue rinsing.  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  IF exposed or concerned: Get medical advice/attention.  Immediately call a POISON CENTER or doctor/physician.  Call a POISON CENTER or doctor/physician if you feel unwell.  Rinse mouth.  Do not induce vomiting.  If skin irritation occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  Take off contaminated clothing and wash before reuse.  Wash contaminated clothing before reuse.  Wash contaminated clothing before reuse.  In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  Collect spillage.  Collect spillage.  Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Irrit. 3  Skin Corrosion / Irritation Category 3  Skin Sens. 1  Sensitization - Skin Category 1	P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower pages/531/338  IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower pages/531/338  IF Exposed or concerned: Get medical advice/attention.  Immediately call a POISON CENTER or doctor/physician.  Call a POISON CENTRE or doctor/physician if you feel unwell.  Rinse mouth.  Do not induce vomiting.  If skin irritation occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  If eye irritation persists: Get medical advice/attention.  Take off contaminated clothing and wash before reuse.  Wash contaminated clothing before reuse.  Wash contaminated clothing before reuse.  Collect spillage.  Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Sens. 1  Sensitization - Skin Category 1	P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue inising.  IF exposed or concerned: Get medical advice/attention.  Immediately call a POISON CENTER or doctor/physician.  Call a POISON CENTRE or doctor/physician if you feel unwell.  Rinse mouth.  Do not induce vomiting.  If skin irritation occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  If eye irritation persists: Get medical advice/attention.  If eye irritation persists: Get medical advice/attention.  Take off contaminated clothing and wash before reuse.  Wash contaminated clothing before reuse.  Wash contaminated clothing before reuse.  In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  Collect spillage.  Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Sens. 1  Sensitization - Skin Category 1	P302/352	IF ON SKIN: Wash with plenty of soap and water.
do. Continue rinsing.  Page 308/313   Fexposed or concerned: Get medical advice/attention.  Immediately call a POISON CENTER or doctor/physician.  Call a POISON CENTRE or doctor/physician if you feel unwell.  Rinse mouth.  Do not induce vomiting.  Festivation occurs: Get medical advice/attention.  Festivation of rash occurs: Get medical advice/attention.  Festivation or rash occurs: Get medical advice/attention.  Festivation of rash occurs: Get medical advice/attention.  Festivation of rash occurs: Get medical advice/attention.  Festivation occurs: Get medical advice/attention.  Festiv	P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Immediately call a POISON CENTER or doctor/physician.  Call a POISON CENTRE or doctor/physician if you feel unwell.  Rinse mouth.  Do not induce vomiting.  If skin irritation occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  If eye irritation persists: Get medical advice/attention.  Take off contaminated clothing and wash before reuse.  Wash contaminated clothing before reuse.  In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  Collect spillage.  Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Sens. 1  Sensitization - Skin Category 1	P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTRE or doctor/physician if you feel unwell.  Rinse mouth.  Do not induce vomiting.  If skin irritation occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  If skin irritation or rash occurs: Get medical advice/attention.  If eye irritation persists: Get medical advice/attention.  Take off contaminated clothing and wash before reuse.  Wash contaminated clothing before reuse.  Wash contaminated clothing before reuse.  Collect spillage.  Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Sens. 1  Sensitization - Skin Category 1	P308/313	IF exposed or concerned: Get medical advice/attention.
Rinse mouth.  Do not induce vomiting.  If skin irritation occurs: Get medical advice/attention.  P332/313  If skin irritation or rash occurs: Get medical advice/attention.  P337/313  If eye irritation persists: Get medical advice/attention.  P3362  Take off contaminated clothing and wash before reuse.  P363  Wash contaminated clothing before reuse.  P370/378  In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  P391  Collect spillage.  P403/235  Store in a well-ventilated place. Keep cool.  P405  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Irrit. 3  Sensitization - Skin Category 1	P310	Immediately call a POISON CENTER or doctor/physician.
Do not induce vomiting.  If skin irritation occurs: Get medical advice/attention.  P333/313	P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
If skin irritation occurs: Get medical advice/attention.  P333/313	P330	Rinse mouth.
If skin irritation or rash occurs: Get medical advice/attention.  P337/313 If eye irritation persists: Get medical advice/attention.  P362 Take off contaminated clothing and wash before reuse.  P363 Wash contaminated clothing before reuse.  P370/378 In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  P391 Collect spillage.  P403/235 Store in a well-ventilated place. Keep cool.  P405 Store locked up.  P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.  P36kin Irrit. 2 Skin Corrosion / Irritation Category 2  P36kin Sens. 1 Sensitization - Skin Category 1	P331	Do not induce vomiting.
If eye irritation persists: Get medical advice/attention.  Take off contaminated clothing and wash before reuse.  Wash contaminated clothing before reuse.  In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  Collect spillage.  Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Sens. 1  Sensitization - Skin Category 1	P332/313	If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.  Wash contaminated clothing before reuse.  In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  Collect spillage.  Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Irrit. 3  Sensitization - Skin Category 1	P333/313	If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.  P370/378 In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  Collect spillage.  P403/235 Store in a well-ventilated place. Keep cool.  P405 Store locked up.  P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2 Skin Corrosion / Irritation Category 2  Skin Irrit. 3 Skin Corrosion / Irritation Category 3  Skin Sens. 1 Sensitization - Skin Category 1	P337/313	If eye irritation persists: Get medical advice/attention.
In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Irrit. 3  Skin Corrosion / Skin Category 1	P362	Take off contaminated clothing and wash before reuse.
Collect spillage.  Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Irrit. 3  Skin Corrosion / Irritation Category 3  Skin Sens. 1  Sensitization - Skin Category 1	P363	Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.  Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2  Skin Corrosion / Irritation Category 2  Skin Irrit. 3  Skin Corrosion / Irritation Category 3  Skin Sens. 1  Sensitization - Skin Category 1	P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
Store locked up.  Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2 Skin Corrosion / Irritation Category 2  Skin Irrit. 3 Skin Corrosion / Irritation Category 3  Skin Sens. 1 Sensitization - Skin Category 1	P391	Collect spillage.
Dispose of contents/container to approved disposal site, in accordance with local regulations.  Skin Irrit. 2 Skin Corrosion / Irritation Category 2  Skin Irrit. 3 Skin Corrosion / Irritation Category 3  Skin Sens. 1 Sensitization - Skin Category 1	P403/235	Store in a well-ventilated place. Keep cool.
Skin Irrit. 2 Skin Corrosion / Irritation Category 2 Skin Irrit. 3 Skin Corrosion / Irritation Category 3 Skin Sens. 1 Sensitization - Skin Category 1	P405	Store locked up.
Skin Irrit. 3 Skin Corrosion / Irritation Category 3 Skin Sens. 1 Sensitization - Skin Category 1	P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
Skin Sens. 1 Sensitization - Skin Category 1	Skin Irrit. 2	Skin Corrosion / Irritation Category 2
	Skin Irrit. 3	Skin Corrosion / Irritation Category 3
Skin Sens. 1B Sensitization - Skin Category 1B	Skin Sens. 1	Sensitization - Skin Category 1
	Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.