

## SAFETY DATA SHEET

Printed on 15 Mar 2023

GHS: According to 2015/830/EU

Code Number *FRW-50043*  
Version 4 Revised 3/15/2023 7:29:22 PM

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

#### 1.1 Product Identifier

Product Name IRROZOL 908514  
Code Number FRW-50043  
Alternative Name  
REACH Reg No Not registered

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

Concentrated material for manufacturing purposes only

#### 1.3 Details of the supplier of the safety data sheet

Fraterworks  
P. O. Box 46009  
Park Avenue  
Lower Hutt 5044  
New Zealand

Telephone Number Tel No. +6448893800  
Email Address info@fraterworks.com

#### 1.4 Emergency Tel No Emergency No. +6448893800

### Section 2. Hazard Identification

#### 2.1 Classification of the substance or mixture

SCI 3 Skin corrosion/irritation, category 3  
SS 1B Skin sensitisation, category 1B  
EDI 2A Eye damage/irritation, category 2A  
CAR 2 Carcinogenicity, category 2  
REP 2 Reproductive toxicity, category 2  
EH A2 Aquatic hazard, acute, category 2  
EH C2 Aquatic hazard, chronic, category 2

#### 2.2 Label elements

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GHS classification according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word Warning

Hazard Statements

H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

P280	Wear protective gloves and eye protection
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P337+P313	If eye irritation persists: Get medical attention.
P501	Dispose of contents and container to local.

## 2.3 Other Hazards

Contains alpha-iso-Methylionone, Amyl Cinnamal, Benzyl Alcohol, Benzyl Benzoate, Benzyl Salicylate, Cinnamal, Cinnamyl Alcohol, Citral, Citronellol, Coumarin, Eugenol, Evernia Prunastri (Oak Moss) Extract, Farnesol, Geraniol, Hydroxycitronellal, Isoeugenol, Limonene and Linalool which may produce an allergic reaction

No further information available at this time

## Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

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## 3.2 Mixtures

Complex mixture of fragrance ingredients

### Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 127-51-5 EINECS 204-846-3 REACH	alpha-iso-Methylionone SCI 2;SS 1B;EDI 2B;EH A2,C2 H315,H317,H320,H401,H411	>=5%, <10%
CAS 100-51-6 EINECS 202-859-9 REACH	Benzyl alcohol (Phenylmethyl alcohol) ATO 4(1620);ATD 5(2500);EDI 2A;AT1 4 H302,H313,H319,H332	>=3%, <5%
CAS 104-54-1 EINECS 203-212-3 REACH	Cinnamic alcohol ATO 5(2500);SS 1B H303,H317	>=3%, <5%
CAS 81-14-1 EINECS 201-328-9 REACH	Musk ketone (carc. Cat. 3) SCI 3;CAR 2;EH A1,C1 H316,H351,H400,H410	>=3%, <5%
CAS 107-75-5 EINECS 203-518-7 REACH	Hydroxycitronellal (Laurine, Hydronal, Phixia, Laurinal) SS 1B;EDI 2A H317,H319	>=3%, <5%
CAS 118-58-1 EINECS 204-262-9 REACH	Benzyl salicylate ATO 5(2200);SS 1B;EDI 2B;EH A2,C3 H303,H317,H320,H401,H412	>=1%, <3%
CAS 78-70-6 EINECS 201-134-4 REACH	Linalool FL 4;ATO 5(2790);SCI 2;SS 1B;EDI 2A;EH A3 H227,H303,H315,H317,H319,H402	>=1%, <3%
CAS 91770-14-8 EINECS 294-797-4 REACH	Jasmin oil FL 4;SCI 2;SS 1;EH A1,C2 H227,H315,H317,H400,H411	>=0.1%, <1%
CAS 106-24-1 EINECS 203-377-1 REACH	Geraniol ATO 5(3600);SCI 2;SS 1;EDI 1;EH A3 H303,H315,H317,H318,H402	>=0.1%, <1%
CAS 104-93-8 EINECS 203-253-7 REACH	para-Cresyl methyl ether (para-Methyl anisole) FL 4;ATO 4(1900);REP 2;SCI 2;EH A3,C3 H227,H302,H315,H361,H402,H412	>=0.1%, <1%
CAS 104-55-2 EINECS 203-213-9 REACH	Cinnamic aldehyde ATO 5(2500);ATD 4(1100);SCI 2;EDI 2A;SS 1A;EH A2 H303,H312,H315,H317,H319,H401	<0.1%

Refer to section 16 for the wording of listed classification and hazard statement codes

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## Section 4. First Aid measures

Take phrases in section 2 into account

### 4.1 Description of first aid measures

After inhalation

Remove from the exposure area to fresh air. Contact a doctor if necessary.

After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

After eye contact

Flush with plenty of water and seek medical advice if necessary.

After ingestion

Wash mouth with plenty of water and obtain medical advice immediately.

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

No further information available at this time

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

No further information available at this time

## Section 5. Fire-fighting measures

### 5.1 Extinguishing Media

Carbon dioxide, foam or dry powder.  
DO NOT USE A DIRECT WATER JET.

### 5.2 Special hazards arising from the substance or mixture

May produce Carbon dioxide and unidentified organic compounds.

### 5.3 Advice for fire-fighters

Wear protective clothing and avoid inhalation of vapours. Keep containers cool with water spray

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.  
Avoid inhalation, skin and eye contact.  
Ensure proper ventilation.

### 6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water

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## 6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbant material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.

## 6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.

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

Store in tightly sealed original containers away from ignition sources and in a cool place.

### 7.3 Specific end use(s)

No further information available

## Section 8. Exposure controls / personal protection

### 8.1 Control Parameters

No information

### 8.2 Exposure controls

Engineering controls

No information

Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

Eye/face protection

Wear safety goggles.

Hand protection

Wear chemically resistant disposable gloves.

Other skin protection

Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.

Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas

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Thermal hazards  
No information  
Environmental exposure controls  
No information

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

FLASH POINT (°C) 140

### 9.2 Other information

No further information available

## Section 10. Stability and reactivity

### 10.1 Reactivity

Not determined

### 10.2 Chemical Stability

Not determined

### 10.3 Possibility of hazardous reactions

Not determined

### 10.4 Conditions to avoid

Extreme temperatures

### 10.5 Incompatible materials

Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.

### 10.6 Hazardous decomposition products

Not determined

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

alpha-Amyl cinnamic aldehyde (ACA) (2-Pentyl-3-phenyl-2-prop (CAS: 122-40-7)  
Oral route: LD50 = 3730 mg/kg

Anisaldehyde (p-Methoxybenzaldehyde) (CAS: 123-11-5)  
Oral route: LD50 = 3210 mg/kg

Benzaldehyde (CAS: 100-52-7)

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Oral route: LD50 = 1430 mg/kg  
Inhalation route: LC50 = 1.5 mg/kg

Benzyl alcohol (Phenylmethyl alcohol) (CAS: 100-51-6)  
Oral route: LD50 = 1620 mg/kg  
Dermal route: LD50 = 2500 mg/kg  
Inhalation route: Data not available

Benzyl salicylate (Phenylmethyl-2-hydroxybenzoate) (CAS: 118-58-1)  
Oral route: LD50 = 2200 mg/kg

Cinnamic alcohol (Cinnamyl alcohol) (Styryl alcohol) (CAS: 104-54-1)  
Oral route: LD50 = 2500 mg/kg

Cinnamon bark oil, Ceylon (CAS: 8015-91-6)  
Oral route: LD50 = 2800 mg/kg  
Dermal route: LD50 = 700 mg/kg

Citral (3,7-Dimethyl-2,6-octadienal) (Lemarome) (Neral/Geran (CAS: 5392-40-5)  
Dermal route: LD50 = 2250 mg/kg

Clove bud oil (CAS: 8000-34-8)  
Oral route: LD50 = 2650 mg/kg  
Dermal route: LD50 = 4900 mg/kg

Cuminaldehyde (Cumminic aldehyde) (CAS: 122-03-2)  
Oral route: LD50 = 1400 mg/kg  
Dermal route: LD50 = 2800 mg/kg

Cyclamen aldehyde (2-Methyl-3-(p-isopropylphenyl) propionald (CAS: 103-95-7)  
Oral route: LD50 = 3810 mg/kg

Dimethyl anthranilate (Methyl-n-methyl anthranilate) (CAS: 85-91-6)  
Oral route: LD50 = 3700 mg/kg

dl-Citronellol (3,7-Dimethyl-6-octen-1-ol) (Dihydrogeraniol) (CAS: 106-22-9)  
Oral route: LD50 = 3450 mg/kg  
Dermal route: LD50 = 2650 mg/kg

Eugenol (2-Methoxy-4-(2-propenyl) phenol) (Allylguaiacol) (CAS: 97-53-0)  
Oral route: LD50 = 2300 mg/kg

Geraniol (3,7-Dimethyl-2,6-octadien-1-ol) (CAS: 106-24-1)  
Oral route: LD50 = 4200 mg/kg

Linalool ((R)-3,7-Dimethyl-1,6-octadien-3-ol) (CAS: 126-91-0)  
Oral route: LD50 = 2500 mg/kg

Linalool (3,7-Dimethyl-1,6-octadien-3-ol) (Coriandrol) (CAS: 78-70-6)  
Oral route: LD50 = 2780 mg/kg

Methyl anthranilate (Methyl-2-aminobenzoate) (CAS: 134-20-3)

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Oral route: LD50 = 2780 mg/kg

Oakmoss absolute IFRA LOW ATRANOL (CAS: 9000-50-4)

Oral route: LD50 = 2900 mg/kg

Oranger crystals (Methyl-beta-naphthyl ketone) (2-Acetonapht (CAS: 93-08-3)

Oral route: LD50 = 1985 mg/kg

Ylang-ylang oil extra super (CAS: 8006-81-3)

Oral route: LD50 = 4300 mg/kg

Skin corrosion / irritation

No data

Serious eye damage / irritation

No data

Respiratory or skin sensitisation

No data

Germ cell mutagenicity

No data

Carcinogenicity

No data

Reproductive toxicity

No data

STO-single exposure

No data

STO-repeated exposure

No data

Aspiration hazard

No data

Information on likely routes of exposure

No data

Symptoms related to the physical, chemical and toxicological characteristics

No data

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data

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Interactive effects

No data

Other information

No data

## Section 12. Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

No data

### 12.3 Bioaccumulative potential

No data

### 12.4 Mobility in soil

No data

### 12.5 Results of PBT and vPvB assessment

No data

### 12.6 Other adverse effects

No data available

## Section 13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

### 13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

## Section 14. Transport information

### 14.1 UN number

ADR 3082

IATA 3082

IMDG Not Regulated

### 14.2 UN proper shipping name

ADR ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AMYL SALICYLATE, GERANIOL)

IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AMYL SALICYLATE, GERANIOL)

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IMDG

#### 14.3 Transport hazard class(es)

ADR 9

IATA 9

IMDG

#### 14.4 Packing group

ADR III

IATA III

IMDG

Tunnel Code (E)

#### 14.5 Environmental Hazards

No relevant information available

#### 14.6 Special precautions for user

No relevant information available

#### 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

No relevant information available at this time

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

### Section 16. Other information

#### Full list of precautionary phrases

P280 Wear protective gloves and eye protection

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice.

P337+P313 If eye irritation persists: Get medical attention.

P501 Dispose of contents and container to local.

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## Wording of any hazard classes listed in section 3

FL 4	Flammable liquid, category 4
ATO 4	Acute toxicity, oral, category 4
ATO 5	Acute toxicity, oral, category 5
ATD 4	Acute toxicity, dermal, category 4
ATD 5	Acute toxicity, dermal, category 5
SCI 2	Skin corrosion/irritation, category 2
SCI 3	Skin corrosion/irritation, category 3
SS 1	Skin sensitisation, category 1
SS 1A	Skin sensitisation, category 1A
SS 1B	Skin sensitisation, category 1B
EDI 1	Eye damage/irritation, category 1
EDI 2A	Eye damage/irritation, category 2A
EDI 2B	Eye damage/irritation, category 2B
ATI 4	Acute toxicity, inhalation, category 4
CAR 2	Carcinogenicity, category 2
REP 2	Reproductive toxicity, category 2
EH A1	Aquatic hazard, acute, category 1
EH A2	Aquatic hazard, acute, category 2
EH A3	Aquatic hazard, acute, category 3
EH C1	Aquatic hazard, chronic, category 1
EH C2	Aquatic hazard, chronic, category 2
EH C3	Aquatic hazard, chronic, category 3

## Wording of any hazard statements listed in section 3

H227	Combustible liquid
H302	Harmful if swallowed
H303	May be harmful if swallowed
H312	Harmful in contact with skin
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

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H320	Causes eye irritation
H332	Harmful if inhaled
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
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

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