

## **MATERIAL SAFETY DATA SHEET**

### **GINGER OIL (CHINA)**

<b>Section 1: Identification of the substance/mixture and of the company/undertaking</b>
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#### **1.1. Product identifier**

Product name: GINGER OIL CHINA

REACH registered name: GINGER, EXT

CAS number: 84696-15-1

EINECS number: 283-634-2

Index number: 2522

INCI name: Zingiber officinalis

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

Use of substance / mixture: E.U Commodity Code: 3301 29 41 FDA: 182.20

INCI Name: Zingiber officinalis.

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

G. Baldwin & Co.

173 Walworth Road,

LONDON, ENGLAND. SE17 1RW.

Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264

E-mail: info@baldwins.co.uk

Web: www.baldwins.co.uk

#### **1.4. Emergency telephone number**

Emergency tel: +44 (0) 207 703 5550

(office hours only)

<b>Section 2: Hazards identification</b>
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#### **2.1. Classification of the substance or mixture**

Classification under CLP: Aquatic Chronic 3: H412; Skin Corr. 1A: H314; Skin Sens. 1: H317

Most important adverse effects: Causes severe skin burns and eye damage. May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

#### **2.2. Label elements**

Hazard statements:

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark

Precautionary statements:

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+352: IF ON SKIN: Wash with plenty of water/soap.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

### 2.3. Other hazards

Other hazards: Risk of explosion if heated under confinement.

PBT: This product is not identified as a PBT/vPvB substance.

<b>Section 3: Composition/information on ingredients</b>
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### 3.2. Mixtures

Hazardous ingredients:

PELLANDRENES

EINECS CAS PBT / WEL CLP Classification Percent

99-

83-2 Skin

Sens. 1B: H317 1-10%

## CAMPHENE

201-234-8 79-92-5 Skin

Irrit. 2: H315 1-10%

## PINENE ALPHA

201-291-9 80-56-8 Flam.

Liq. 3: H226; Skin Irrit. 2: H315;

Skin Sens. 1B: H317; Asp. Tox. 1:

H304

1-10%

## CITRAL

226-394-6 5392-40-5 Skin

Irrit. 2: H315; Skin Sens. 1: H317 1-10%

## LIMONENE

227-813-5 5989-27-5 Flam.

Liq. 3: H226; Skin Irrit. 2: H315;

Skin Sens. 1: H317; Aquatic Acute 1:

H400; Aquatic Chronic 1: H410; Asp.

Tox. 1: H304

<1%

Contains: Essential oil of *Zingiber officinalis*, Zingiberaceae. (distilled)

100 % pure and natural from named source

<b>Section 4: First aid measures</b>
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#### **4.1. Description of first aid measures**

Skin contact:

Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

<b>Section 5: Fire-fighting measures</b>
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#### **5.1. Extinguishing media**

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

Exposure hazards: In combustion emits toxic fumes.

## **5.3. Advice for fire-fighters**

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

<b>Section 6: Accidental release measures</b>
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### **6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions:

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### **6.2. Environmental precautions**

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

### **6.3. Methods and material for containment and cleaning up**

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### **6.4. Reference to other sections**

<b>Section 7: Handling and storage</b>
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### **7.1. Precautions for safe handling**

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: 9-12 months from date of despatch if kept under optimum conditions.

### **7.3. Specific end use(s)**

<b>Section 8: Exposure controls/personal protection</b>
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#### **8.1. Control parameters**

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

#### **8.2. Exposure controls**

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Straw

Odour: sharp alliaceous

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Non-viscous

Boiling point/range°C: 254 @ 760mmHg Flash point°C: 73

Part.coeff. n-octanol/water: 1.4870 to 1.4970 Vapour pressure: -30.0 to -40.0

Relative density: 0.870 to 0.885 pH: 90

### 9.2. Other information

No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

Chemical stability: Stable under normal conditions.

### 10.3. Possibility of hazardous reactions



#### **10.4. Conditions to avoid**

Heat.

#### **10.5. Incompatible materials**

Materials to avoid: Strong oxidising agents. Strong acids.

#### **10.6. Hazardous decomposition products**

Haz. decomp. products: In combustion emits toxic fumes.

<b>Section II: Toxicological information</b>
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#### **II.1. Information on toxicological effects**

Toxicity values:

Route Species Test Value Units

SKN RBT 500

mg/24H MOD

Hazardous ingredients:

CITRAL

IPR RAT LD<sub>50</sub> 460 mg/kg

ORL MUS LD<sub>50</sub> 6 gm/kg

ORL RAT LD<sub>50</sub> 4960 mg/kg

LIMONENE

IVN MUS LD<sub>50</sub> 1010 µl/kg

ORL MUS LD<sub>50</sub> 5550 µl/kg

ORL RAT LD<sub>50</sub> 5300 mg/kg

Relevant hazards for substance:

#### Hazard Route Basis

Skin corrosion/irritation DRM Hazardous: calculated

Serious eye damage/irritation OPT Hazardous: calculated

Respiratory/skin sensitisation DRM Hazardous: calculated

#### Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

<b>Section 12: Ecological information</b>
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#### **12.1. Toxicity**

Ecotoxicity values: No data available.

#### **12.2. Persistence and degradability**

Persistence and degradability: Not biodegradable.

#### **12.3. Bioaccumulative potential**

Bioaccumulative potential: Bioaccumulation potential.

#### **12.4. Mobility in soil**

Mobility: Readily absorbed into soil.

#### **12.5. Results of PBT and vPvB assessment**

PBT identification: This product is not identified as a PBT/vPvB substance.

#### **12.6. Other adverse effects**

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

<b>Section 13: Disposal considerations</b>
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#### **13.1. Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

<b>Section 14: Transport information</b>
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#### **14.1. UN number**

UN number: UN3082

#### **14.2. UN proper shipping name**

(ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S.)

#### **14.3. Transport hazard class(es)**

Transport class: 9

#### **14.4. Packing group**

Packing group: III

#### **14.5. Environmental hazards**

Environmentally hazardous: Yes

Marine pollutant: No

#### **14.6. Special precautions for user**

Tunnel code: E

<b>Section 15: Regulatory information</b>
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#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **15.2. Chemical Safety Assessment**

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

<b>Section 16: Other information</b>
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Recommended for professional use only as an ingredient in perfumes and food flavours.

FEMA No. 2522

Phrases used in s.2 and s.3:

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.



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