

Issuing Date 4/25/2023

## SAFETY DATA SHEET

## 1. IDENTIFICATION

## Product Identifier

Product name YUZU OIL R154

## Supplier name

Supplier name Ogawa &amp; Co., Ltd.

## Address

Address 4-1-11 Nihonbashi Honcho Chuo-ku Tokyo, Japan

## Division

Division Ogawa &amp; Co., Ltd.

## Telephone number

Telephone number 81-3-3270-1580

## Fax number

Fax number 81-3-3246-1785

## Emergency Phone Number

Emergency Phone Number 81-3-3270-1580

## 2. HAZARDS IDENTIFICATION

## GHS CLASSIFICATION

Physical and chemical hazards

Flammable liquids Category 3

Health hazards

Skin corrosion/irritation Category 2

Sensitization – skin Category 1

Reproductive toxicity Category 2

Environmental Hazards

Hazardous to the aquatic environment (acute hazard)  
Category 1Hazardous to the aquatic environment (long-term  
hazard) Category 2

## GHS LABEL ELEMENTS

Pictograms or Symbols



Signal Word

Warning

Hazard Statements

H226 Flammable liquid and vapour

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H361 Suspected of damaging fertility or the unborn  
child (state specific effect if known)

H400 Very toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

## Precautionary Statements

Prevention	<p>Obtain special instructions before use(P201)</p> <p>Keep away from heat, sparks, open flames and hot surfaces. No smoking.(P210)</p> <p>Ground/bond container and receiving equipment(P240)</p> <p>Use explosion-proof electrical/ ventilating/ lighting/ equipment(P241)</p> <p>Avoid breathing mist, vapours and spray.(P261)</p> <p>Wear protective gloves, eye protection and face protection.(P280)</p> <p>Wear protective gloves.(P280)</p>
Response	<p>Specific treatment.(P321)</p> <p>In case of fire: Use dry chemicals, CO2, fog, alcohol-resistant foam or sand for extinction(P370+P378)</p>
Disposal	<p>Collect spillage(P391)</p> <p>Disposal should be in accordance with applicable regulations and standards by the respective local governments.(P501)</p>

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances or mixtures	Mixtures
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## 4. FIRST-AID MEASURES

In case of inhalation	<p>Remove person to fresh air and keep comfortable for breathing.</p> <p>Get medical advice and attention if you feel unwell.</p>
In case of skin contact	<p>Wash with plenty of soap and water.</p> <p>If skin irritation occurs: Get medical advice and attention.</p>
In case of eye contact	<p>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>Get medical advice and attention.</p>
In case of ingestion	<p>Immediately call a doctor.</p> <p>Rinse mouth. Do NOT induce vomiting.</p>

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemicals, CO <sub>2</sub> , fog, alcohol-resistant foam or sand.
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## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment (Refer to "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.
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Environmental precautions	Pay attention not to cause the influence on the environment by discharging into rivers.
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Methods and materials for containment and cleaning up	Small spills; absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for later disposal.
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Large spills; prevent flowing out with a dike and collect it at a safe place.

## 7. HANDLING AND STORAGE

### Handling

Technical measures	Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".
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Safe handling advice	Prohibit use of heat, sparks, and fire in the surrounding area.
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Be Careful with Fire.

Avoid contact with eyes and skin.

Wash hand thoroughly after handling.

Do not breathe mist, vapours and spray.

Hygiene measures	Wash hand thoroughly after handling.
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Contaminated work clothing should not be allowed out of the workplace.

### Storage

Suitable storage conditions	Store in accordance with local, regional and national regulations.
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Keep away from heat, sparks, open flames and hot surfaces. No smoking.

Store in a cool place and protect from sunlight.

Store in a well-ventilated place keeping container tightly closed.

Safe packing materials

Use the containers prescribed in the "UN Transport Regulations".

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Take precautionary measures against static discharge.

Use process enclosures, local exhaust ventilation, or other engineering controls.

Personal protective equipment

Respiratory protection

Use personal respiratory equipment as required.

Hand protection

Wear protective gloves.

Eye protection

Wear eye protection.

Wear face protection.

Skin and body protection

Wear suitable protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

Liquid

Color

Orangish yellow to orangish brown or greenish brown

Odor

Characteristic aroma

Odor threshold

No data available

pH

No data available

Melting point

No data available

Boiling point

No data available

Flash point

52.0°C (Tag Closed Cup)

Evaporation rate

No data available

Flammability(Solid,Gas)

No data available

Flammability or explosive limits

No data available

Vapor pressure

No data available

Vapor density

No data available

Relative density

0.856

Solubility(ies)

Insoluble in water

Partition coefficient: n-octanol/water

No data available

Auto-ignition temperature

No data available

Decomposition temperature

No data available

Viscosity

No data available

## 10. STABILITY AND REACTIVITY

Reactivity	No information available
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	No information available
Conditions to avoid	No information available
Incompatible materials	No information available
Hazardous decomposition products	No information available

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)	Unable to classify due to insufficient data.
Acute toxicity (Dermal)	Unable to classify due to insufficient data.
Acute toxicity (Inhalation : Gases)	Does not fall under Gas based on GHS definitions.
Acute toxicity (Inhalation : Vapours)	<b>【mg/L】</b> Unable to classify due to insufficient data. <b>【PPM】</b> Unable to classify due to insufficient data.

Acute toxicity (Inhalation : Dusts and Mists) Unable to classify due to insufficient data.

Skin corrosion/ Irritation Judgment based on ingredients for which the additivity approach can be applied:  
Sum of Category 2 Substances = 99.999%.  
Concentration limit = 10%. Classification result = Category 2.

Serious eye damage/ irritation Substance of unknown toxicity = 98.034%. Changed from "Not classified" to "Classification not possible".

Respiratory Sensitization	Unable to classify due to insufficient data.
Skin Sensitization	CAS number: 233683-84-6 $\geq$ Concentration limit (1%). Classification result = Category 1.
Germ cell mutagenicity	Unable to classify due to insufficient data.
Carcinogenicity	Unable to classify due to insufficient data.
Reproductive toxicity	CAS number: 233683-84-6 $\geq$ Concentration limit (3%). Classification result = Category 2.

Specific target organ Toxicity – Single Exposure Unable to classify due to insufficient data.

Specific target organ toxicity – Repeated Exposure Unable to classify due to insufficient data.

Aspiration hazard

Kinematic viscosity = Unknown. Classification result =  
Classification not possible.**12. ECOLOGICAL INFORMATION**Hazardous to the Aquatic Environment –  
Acute ToxicityMethod 1 = No data, Method 2 = No data, Method 3 =  
Category 1. Classification result = Category 1.Hazardous to the Aquatic Environment –  
Chronic ToxicityMethod 1 = No data, Method 2 = No data, Method 3 =  
Category 2. Classification result = Category 2.

Hazardous to the Ozone layer

Unable to classify due to insufficient data.

**13. DISPOSAL CONSIDERATIONS**

Residual Waste

Disposal should be in accordance with applicable  
regulations and standards by the respective local  
governments.

Contaminated Container and Packaging

Recycle containers after cleansing, or carry out the  
disposal under the related laws and regulations and  
the standards of the local governments.**14. TRANSPORT INFORMATION**

International regulations

IMDG

UN number

1197

UN proper shipping name

EXTRACTS, LIQUID, for flavour or aroma

Transport hazard class(es)

3

Packing group

II

Marine pollutant

Applicable

IATA

UN number

1197

UN proper shipping name

EXTRACTS, LIQUID, for flavour or aroma

Transport hazard class(es)

3

Packing group

II

**15. REGULATORY INFORMATION**

No main regulation

**16. OTHER INFORMATION**

Literature References

LOLI Database (ChemADVISOR,Inc.)

RIFM / FEMA Database

IFRA–IOFI Labelling Manual

Other data

#### ACGIH – Threshold Limit Values

##### Disclaimer

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

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