

# SAFETY DATA SHEET

This safety data sheet complies with the requirements of: GB/T 16483, GB/T 17519



Issue date 23-Jul-2017

Version 1

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

### Product identifier

**Product name** STU1501081/椰汁香精/COCONUT WATER FLAVOUR

### Details of the Supplier of the Safety Data Sheet

Shanghai Takasago-Union Fragrances & Flavors CO., LTD.  
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### Recommended use of the chemical and restrictions on use

**Recommended use** Flavors  
For industrial use only

## SECTION 2: Hazards identification

### GHS Classification

FLAMMABLE LIQUIDS

Category 4 - (H227)

### Label Elements

#### **Signal word**

Warning

H227 - Combustible liquid

#### **Precautionary statements**

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

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

P403 + P235 - Store in a well-ventilated place. Keep cool

P501 - Dispose of contents/container to industrial incineration plant

#### **Other Hazards**

None

## SECTION 3: Composition/information on ingredients

### Substance

Not applicable

### Mixture

	CAS No	Concentration	GHS Classification
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ETHANOL 64-17-5	64-17-5	>=1 - <3%	Eye Irrit. 2A (H319) Flam. Liq. 2 (H225)
Acetaldehyde 75-07-0	75-07-0	>=0.1 - <1%	Aquatic Acute 3 (H402) STOT SE 3 (H335) Flam. Liq. 1 (H224) Acute Tox. 5 (H313) Acute Tox. 4 (H302) Carc. 2 (H351) Eye Irrit. 2A (H319)

Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

	CAS No	Concentration	GHS Classification
Acetaldehyde	75-07-0	>=0.1 - <1%	Aquatic Acute 3 (H402) STOT SE 3 (H335) Flam. Liq. 1 (H224) Acute Tox. 5 (H313) Acute Tox. 4 (H302) Carc. 2 (H351) Eye Irrit. 2A (H319)
Acetic acid	64-19-7	>=0.1 - <1%	Eye Dam. 1 (H318) Acute Tox. 5 (H303) Acute Tox. 4 (H312) Flam. Liq. 3 (H226) Skin Corr. 1A (H314)

## SECTION 4: First aid measures

<b>General advice</b>	When in doubt or if symptoms are observed, get medical advice.
<b>Inhalation</b>	Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.
<b>Skin contact</b>	Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.
<b>Eye contact</b>	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
<b>Ingestion</b>	If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.
<b>Symptoms</b>	No known symptoms to date.
<b>Self-protection of the first aider</b>	Use personal protection recommended in Section 8.
<b>Note to physicians</b>	Treat symptomatically.

## SECTION 5: Firefighting measures

<b>Suitable extinguishing media</b>	Foam Carbon dioxide (CO2) Dry extinguishing powder Sand
<b>Large Fire</b>	Alcohol resistant foam Water spray
<b>Unsuitable extinguishing media</b>	Full water jet

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

In case of fire may be liberated  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Burning produces heavy smoke  
Do not inhale explosion and combustion gases

**Specific extinguishing methods**

Use water spray jet to protect personnel and to cool endangered containers

**Special protective equipment for fire-fighters**

Wear a self-contained breathing apparatus and chemical protective clothing  
Move undamaged containers from immediate hazard area if it can be done safely  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water

## SECTION 6: Accidental release measures

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

**Personal precautions**

Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Remove all sources of ignition. Provide adequate ventilation as well as local exhaust at critical locations. See section 7 for more information.

**For emergency responders**

Use personal protection recommended in Section 8.

**Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

**Methods and material for containment and cleaning up**

**Small spill:**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Large spill:**

For large spills contain the material using barriers of absorbent pigs or similar.

**Prevention of secondary hazards**

Remove all sources of ignition. Use only non-sparking tools.

## SECTION 7: Handling and storage

**Advice on safe handling**

Avoid contact with skin, eyes or clothing. Wear protective gloves and eye/face protection. See Section 8 for information on appropriate personal protective equipment. Remove all sources of ignition. Provide adequate ventilation as well as local exhaust at critical locations. Handle and open container with care.

**Storage conditions**

阴凉、密封、避光、干燥保存/In tightly closed containers , protected from light , keep in a dry and cool area.

## SECTION 8: Exposure controls/personal protection

**Occupational exposure limits**

	China OEL
Acetaldehyde 75-07-0	45 MGM3 (MAC)
Acetic acid 64-19-7	20 MGM3 (STEL) 10 MGM3 (TWA)

**Engineering controls**

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

<b>Respiratory protection</b>	If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
<b>Hand protection</b>	Wear chemically resistant gloves (tested to EN 374) in combination with 'basic' employee training.
<b>Eye/face protection</b>	Eye glasses with side protection.
<b>Skin and body protection</b>	Wear appropriate personal protective clothing to prevent skin contact.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	无色至浅黄透明液体/Colorless to light yellow Clear liquid	
<b>Color</b>	No data available	
<b>Odor</b>	Characteristic	
<b>Odor threshold</b>	No data available	
<b>pH</b>	No data available	
<b>Melting point / freezing point</b>	No data available	
<b>Boiling point / boiling range</b>	No data available	
<b>Flash point</b>	= 69.00 °C / = 156 °F	CC (closed cup)
<b>Evaporation rate</b>	No data available	
<b>Flammability (solid, gas)</b>	No data available	
<b>Flammability limit in air</b>		
<b>Upper flammability limit</b>	No data available	
<b>Lower flammability limit</b>	No data available	
<b>Vapor pressure</b>	No data available	
<b>Vapor density</b>	No data available	
<b>Specific gravity</b>	1.026-1.046 @ 20 °C	
<b>Specific gravity</b>	1.023-1.043 @ 25 °C	
<b>Water solubility</b>	No data available	
<b>Solubility in other solvents</b>	No data available	
<b>Partition coefficient: n-octanol/water</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic viscosity</b>	No data available	
<b>Explosive Properties</b>	No data available	
<b>Oxidizing Properties</b>	No data available	

#### Other information

<b>Refractive Index</b>	1.423-1.443 @ 20 °C
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### SECTION 10: Stability and reactivity

<b><u>Reactivity</u></b>	None under normal use conditions.
<b><u>Chemical stability</u></b>	Stable under normal conditions. Stable under recommended storage conditions.
<b><u>Possibility of hazardous reactions</u></b>	None under normal processing.
<b><u>Conditions to avoid</u></b>	Extremes of temperature and direct sunlight.
<b><u>Incompatible materials</u></b>	Strong oxidizing agents. Strong acids. Strong bases.
<b><u>Hazardous decomposition products</u></b>	None under normal use conditions.

### SECTION 11: Toxicological information

**Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	20,375.00 mg/kg
ATEmix (dermal)	21,285.00 mg/kg
ATEmix (inhalation-vapor)	11,032.60 mg/l

**Skin corrosion/irritation** No information available

**Serious eye damage/eye irritation** No information available

**Sensitization** No information available

**Mutagenic effects** No information available

**Carcinogenic effects** No information available

**Reproductive toxicity** No information available

**STOT - single exposure** No information available

**STOT - repeated exposure** No information available

**Aspiration hazard** No information available

## SECTION 12: Ecological information

**Ecotoxicity** No information available

**Persistence and degradability** No information available

**Bioaccumulative potential** No information available

**Mobility in soil** No information available

**Other adverse effects** No information available

## SECTION 13: Disposal considerations

**Waste from residues/unused products** Dispose of waste product or used containers according to local regulations.

**Contaminated packaging** Do not reuse container. Dispose of waste product or used containers according to local regulations.

## SECTION 14: Transport information

**Sea transport (IMDG)**

UN/ID no	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Marine Pollutant	Not regulated
Special Provisions	None

**Road transport**

UN/ID no	Not regulated
Proper Shipping Name	Not regulated

Hazard Class	Not regulated
Packing group	Not regulated
Environmental Hazard	Not regulated
Special Provisions	None

**Air transport (ICAO-TI / IATA-DGR)**

UN/ID no	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Environmental Hazard	Not regulated
Special Provisions	None

## SECTION 15: Regulatory information

### National Regulations

GB/T 16483 Safety Data Sheet For Chemical Products Content and Order of Sections  
GB/T 17519 Guidance on the compilation of safety data sheet for chemical products

## SECTION 16: Other information

### Full text of H-Statements referred to under section 3

H319 - Causes serious eye irritation  
H225 - Highly flammable liquid and vapor  
H402 - Harmful to aquatic life  
H335 - May cause respiratory irritation  
H224 - Extremely flammable liquid and vapor  
H313 - May be harmful in contact with skin  
H302 - Harmful if swallowed  
H351 - Suspected of causing cancer if inhaled

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Hazard Class

Flam. Liq.	Flammable Liquids
Acute Tox.	Acute Toxicity
Skin Irrit.	Skin irritation
Eye Irrit.	Eye irritation
Muta.	Germ cell mutagenicity
Carc.	Carcinogenic
Skin Sens.	Skin sensitization
Aquatic Acute	Hazardous to the Aquatic Environment - Acute Hazard
Aquatic Chronic	Hazardous to the Aquatic Environment - Chronic Hazard
Skin Corr.	Skin corrosion
Eye Dam.	Eye Damage
Asp. Tox.	Aspiration toxicity
STOT SE	Specific target organ toxicity - Single exposure
STOT RE	Specific target organ toxicity - Repeated exposure
Repr.	reproductive toxicant

### Key literature references and sources for data

IFRA-IOFI Labelling Manual 2016  
RIFM/FEMA database  
Supplier

Revision date 23-Jul-2017

Reason for revision Not applicable.

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FLAVOUR

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**End of Safety Data Sheet**