

SAFETY DATA SHEET

(according to Regulation (EC) No.1907/2006)

Printing date: 2017-02-28

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier: **R063860 STRAWBERRY**
- 1.2 Relevant identified uses of the substance or mixture: Mixture of odoriferous natural and/or synthetic substances. Product for industrial use only.
Uses advised against: Other uses than those recommended
- 1.3 Company Details: **HONG AUN KIMIA SDN BHD
NO.420, PERMATANG RAWA
14000 BUKIT MERTAJAM
PULAU PINANG
TEL:04-5403867/68 FAX:04-5403866**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture

Classification according to the Regulation (EC) No 1272/2008

Serious eye damage/eye irritation, Hazard Category 2; H319

Sensitisation — Skin, Hazard Category 1; H317

Hazardous to the aquatic environment — long-term hazard, category chronic 3; H412..

- 2.2 Label elements



GHS07

Signal word: Warning

Contains: ethyl 2,3-epoxy-3-phenylbutyrate, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde

Hazard Statements:

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects

Precautionary Statements:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

P501: Dispose of contents/container to an approved waste disposal plant.

Contains ethyl 2,3-epoxy-3-phenylbutyrate, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one. May produce an allergic reaction.

- 2.3 Other hazards

The product does not contain substances included in the Substances of Very High Concern list (> 0,1 % w/w).

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Concentration range of the constituent (% weight/weight)	CE Number / Registration Number	CAS	Chemical name	Hazard Class and Category Code; Hazard statement codes
≥10% and <25%	203-305-9	105-53-3	Diethyl malonate	Eye Irrit. 2;H319
≥5% and <10%	201-061-8	77-83-8	Ethyl 2,3-epoxy-3-phenylbutyrate	Skin Sens. 1B;H317- Aquatic Chronic 2;H411
≥1% and <5%	201-828-7 01- 2119970713- 33	88-41-5	2-tert-butylcyclohexyl acetate	Aquatic Chronic 2;H411
≥1% and <5%	203-380-8	106-27-4	Amryl butyrate	Flam. Liq. 3;H226- Aquatic Chronic 3;H412
≥1% and <5%	205-527-1 01- 2119488961- 23	142-19-8	Allyl heptanoate	Acute Tox. 3;H301- Acute Tox. 3;H311- Acute Tox. 3;H331- Aquatic Acute 1;H400- Aquatic Chronic 3;H412
≥1% and <5%	268-264-1	68039-49-6	2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Skin Irrit. 2;H315- Eye Irrit. 2;H319- Skin Sens. 1B;H317- Aquatic Chronic 3;H412
≥0,1% and <1%	204-846-3	127-51-5	3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Skin Irrit. 2;H315- Skin Sens. 1B;H317- Aquatic Chronic 2;H411
≥0,1% and <1%	214-946-9	1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Aquatic Acute 1;H400- Aquatic Chronic 1;H410

See section 16 for the full text of the Hazard statement codes declared above.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Consumption:

If swallowed, rinse mouth with water.
Seek medical advice immediately and show this container or label.
Keep the person at rest. Do NOT induce vomiting.

Eye contact:

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Inhalation:

Remove person to fresh air and keep at rest.

Skin contact:

Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention

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

May produce an allergic reaction

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- 4.3 Indication of any immediate medical attention and special treatment needed:
Not available.

SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing media:
Carbon dioxide, dry chemical powder or appropriate foam.
For safety reasons do not use full water jet.
- 5.2 Special hazards arising from the substance or mixture:
Not applicable.
- 5.3 Advice for firefighters:
In case of fire in the surrounding area, follow the recommendations below:
1-Closed containers may build up pressure at elevated temperatures.
2-Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.
3-Prevent run-off from firefighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures:
Wear appropriate gloves to prevent skin exposure.
Avoid breathing vapours. Use a suitable respiratory apparatus if necessary. Avoid contact with eyes and skin.
Maintain adequate ventilation in the working area after spilling.
- 6.2 Environmental precautions:
Avoid contaminating the environment via the sewers or water sources.
- 6.3 Methods and material for containment and cleaning up:
Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Ventilate area and wash spill site after material pickup is complete.
Dispose of in accordance with current laws and regulations.
- 6.4 Reference to other sections:
See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling:
Keep away from food, drink and animal feeding stuffs. Do not smoke.
Avoid contact with skin and eyes.
Handle in accordance with good industrial hygiene and safety practice.
- 7.2 Conditions for safe storage, including any incompatibilities:
Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.
Keep away from incompatible substances (see section 10).
- 7.3 Specific end use(s): Not available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters
Declaration of substances is not required.

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- 8.2 Exposure controls
- Personal protection equipment: Use personal protection equipment according to Directive 89/686/EEC.
- Engineering Controls-Ventilation: The areas where the product is handled and stored should be adequately ventilated.
- Respiratory Protection: Use personal breathing apparatus whenever deemed necessary.
- Skin Protection: Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.
- Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties
- | | |
|-----------------------------|---------------------------|
| Appearance | Liquid |
| Colour | Slightly Yellow to Yellow |
| Specific Density (25°/25°C) | 1.015 ± 0.01 |
| Refractive index (20°C) | 1.4405 ± 0.01 |

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity: Not available.
- 10.2 Chemical stability: Stable under normal operating conditions.
- 10.3 Possibility of hazardous reactions:
Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.
- 10.4 Conditions to avoid: Heat, flames and other sources of ignition.
No special precautions other than good housekeeping of chemicals.
- 10.5 Incompatible materials: Acids, Caustics, Strong Reducing Agents, Isocyanates, Nitrides, Epoxides, Caustics, Strong Oxidizing Agents, Strong Reducing Agents, Nitrides, Azo Compounds, Diazo Compounds and Hydrazines
- 10.6 Hazardous decomposition products: Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
- See also sections 2 and 3.
- No toxicological information is available on the product itself.
- Acute toxicity: This mixture meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
- Skin corrosion/irritation: This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
- Serious eye damage/irritation: This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
- Respiratory or skin sensitisation: This mixture meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

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Germ cell mutagenicity:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Carcinogenicity:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Reproductive toxicity:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-single exposure:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-repeated exposure:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Aspiration toxicity:	This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Acute aquatic toxicity:	Not determined
12.2 Persistence and degradability:	Not available.
12.3 Bioconcentration potential:	Not determined
12.4 Mobility in soil:	Not available.
12.5 Results of PBT and vPvB assessment:	Not determined
12.6 Other adverse effects:	Not available. Do not allow the material to enter streams, sewers or other waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Container disposal:	Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site.
Disposal conditions:	Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

SECTION 14: TRANSPORT INFORMATION

International Carriage of Dangerous Goods by Road (ADR)

UN No.:	N/A
Proper Shipping Name:	Not subject to ADR.
Packing Group:	-
Class:	-
Tunnel restriction code:	-
Label:	-

Sea Transport (IMDG)

UN No.:	N/A
Proper Shipping Name:	Not restricted.
Packing Group:	-
Class:	-
Marine Pollutant:	No
Subsidiary risk:	-

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IMDG-Code segregation group: -

Air Transport (ICAO/IATA)

UN No.: N/A
Proper Shipping Name: Not restricted.
Packing Group: -
Class: -
Label: -

SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
Substances are either included in EINECS, ELINCS, NLP inventories or exempted.
- 15.2 Chemical safety assessment:
Not available.

SECTION 16: OTHER INFORMATION

Text of hazard statement codes in section 3:

H226: Flammable liquid and vapour.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.
H400: Very toxic 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.

This material should only be used for industrial purposes.

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
3. Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work).

Reason for Change: Adjustment to Regulation (EU) 2015/830.

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