

SAFETY DATA SHEET

According to Title 29 of US Code of Federal Regulations 1910.1200.



839290 LYCHEE TYPE FLAVOR N&A

Version 2.0

Print Date: 07/27/2018

Revision Date: 07/13/2018

SECTION 1. IDENTIFICATION

Product name : LYCHEE TYPE FLAVOR N&A
Product code : 839290

Manufacturer or supplier's details

Company name of supplier : Symrise AG

Address : Mühlenfeldstrasse 1
Holzminden 37603
Telephone : +495531900
Telefax : +495531901649
E-mail address : msds-us@symrise.com
Emergency telephone number : +1-800-535-5053 (ID# 101844)
+1-352-323-3500 (Outside US)

Recommended use of the chemical and restrictions on use

Recommended use : Flavours

Restrictions on use : Food additive


SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Eye irritation : Category 2A

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
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.

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P363 Wash contaminated clothing before reuse.

Disposal:

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

Hazards Not Otherwise Classified (HNOC)

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

The specific chemical identity and/or exact percentages of components in this mixture have been withheld as a trade secret in accordance with Title 29 of the U.S. Code of Federal Regulations 1910.1200.

Remaining components are proprietary, non-hazardous, or present in amounts below reportable limits.

Hazardous components

Chemical name	CAS-No.	Concentration (%)
1,2-Propanediol	57-55-6	≥ 50 - < 70
4H-Pyran-4-one, 3-hydroxy-2-methyl-	118-71-8	≥ 1 - < 5
Benzenemethanol	100-51-6	≥ 1 - < 5
6-Octen-1-ol, 3,7-dimethyl-	106-22-9	≥ 0.1 - < 1

All reported concentration ranges are percent by weight.

SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.
Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

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| In case of skin contact | : If on skin, rinse well with water. |
| In case of eye contact | : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist. |
| If swallowed | : Do not give milk or alcoholic beverages.
If symptoms persist, call a physician. |

SECTION 5. FIREFIGHTING MEASURES

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| Suitable extinguishing media | : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Specific extinguishing methods | :

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Further information | : Standard procedure for chemical fires. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | : Ensure adequate ventilation. |
| Environmental precautions | : Try to prevent the material from entering drains or water courses.
Prevent further leakage or spillage if safe to do so. |
| Methods and materials for containment and cleaning up | : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Soak up with inert absorbent material and dispose of as hazardous waste. |

SECTION 7. HANDLING AND STORAGE

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| Advice on safe handling | : Use only with adequate ventilation.
Do not breathe vapours/dust.
For industrial use only.
Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.
Take care to avoid waste and spillage when weighing, loading and mixing the product. |
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Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1,2-Propanediol	57-55-6	TWA (Aerosol.)	10 mg/m ³	WEEL
Benzenemethanol	100-51-6	TWA	10 ppm 44.20 mg/m ³	WEEL

Personal protective equipment

Respiratory protection : In the absence of adequate ventilation, a respirator, appropriate for the specific workplace conditions, is recommended.

Eye protection : Wear chemical resistant goggles and/or face shield.

Skin and body protection : Wear suitable gloves.

Protective measures : Engineering controls providing adequate ventilation (such as hoods, point source or whole room ventilation systems for liquids and dust collection systems for dusts) are recommended as the primary method to minimize workplace exposure. When adequate ventilation cannot be achieved, the use of an appropriate respiratory protection device is recommended. Established TLV/ TWA or PEL values should be used when possible.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : clear liquid
Colour : colorless to light yellow
Odour : characteristic
Flash point : 212 °F / 100 °C

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Relative density : 1.0590 - 1.0790 (20 °C)
relation to density of water at 4°C

Solubility(ies)
Water solubility : completely miscible

SECTION 10. STABILITY AND REACTIVITY

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Stable under recommended storage conditions.

None known.

Conditions to avoid : No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion
Inhalation
Eye contact
Skin contact

Acute toxicity

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : > 200 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Further information

Remarks: This product is a mixture, which has not been tested as a whole., Please refer to derived hazard classification of the mixture.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Results of PBT and vPvB assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Additional ecological information

: This product is a mixture, which has not been tested as a whole.
There is no data available for this product.
Please refer to derived hazard classification of the mixture.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

- Waste from residues : Dispose of in accordance with local regulations.
Observe, local, state and federal regulations.
Do not dispose of waste into sewer.
Discharge into the environment must be avoided.
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste
handling site for recycling or disposal.
Do not re-use empty containers.
Where possible recycling is preferred to disposal or
incineration.

SECTION 14. TRANSPORT INFORMATION

- 49CFR Road 0 – 25 kg Not classified as dangerous in the meaning of transport regulations.
- 49CFR Road 25 – 400 kg Not classified as dangerous in the meaning of transport regulations.
- 49CFR Road > 400 kg Not classified as dangerous in the meaning of transport regulations.

IMDG : Not classified as dangerous in the meaning of transport regulations.

IATA-DGR : Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

TSCA list

TSCA 5a : Not relevant

TSCA 12b : Not relevant

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-	80-56-8	100	*

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*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16. OTHER INFORMATION

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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. 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.