

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product Name EILISH BILLIE EILISH

Other means of identification

Synonyms No information available

Recommended use of the chemical and restrictions on use

Recommended use Fragrances
For industrial use only

Details of the supplier of the safety data sheet

Supplier Address

Takasago International Corporation (USA)
4 Volvo Drive
Rockleigh, NJ 07647 USA
Phone: 1-201-767-9001

Emergency telephone number

Company Phone Number Health & Environmental: 1-201-767-9001 9 a.m - 5 p.m. EST M-F

Emergency telephone number

CHEMTREC: 1-800-424-9300 24 hours Everyday
CHEMTREC (International): 01-703-527-3887 [U.S.A.] 24 hours Everyday

2. Hazard identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	Category 3
Serious eye damage/irritation	Category 2A

Label Elements

Warning

Hazard Statements

Causes serious eye irritation
Flammable liquid and vapor



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment

Use only non-sparking tools
Take precautionary measures against static discharge
Use explosion-proof electrical/ ventilating/ lighting/ equipment

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/containers in accordance with local regulations

Hazards Not Otherwise Classified (HNOC)

None known

Other information

Other Hazards None known

3. Composition/information on Ingredients

Hazardous components The specific chemical identity and/or exact percentage (concentration) of the individual components of this mixture is proprietary information and is regarded to be a trade secret. It is withheld in accordance with the provisions of 29 CFR 1910.1200.

Chemical name	CAS No	Concentration	GHS Classification
Ethanol	64-17-5	>=70 - <80%	Eye Irrit. 2A (H319) Flam. Liq. 2 (H225)
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5	>=10 - <20%	Skin Irrit. 3 (H316) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
VANILLIN	121-33-5	>=1 - <3%	Aquatic Acute 3 (H402) Eye Irrit. 2A (H319) Acute Tox. 5 (H303)
3-Ethoxy-4-hydroxybenzaldehyde	121-32-4	>=1 - <3%	Aquatic Acute 3 (H402) Eye Irrit. 2B (H320) Acute Tox. 5 (H303)
Linalyl acetate	115-95-7	>=0.1 - <1%	Aquatic Acute 3 (H402) Flam. Liq. 4 (H227) Eye Irrit. 2B (H320) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)
LINALOOL	78-70-6	>=0.1 - <1%	Aquatic Acute 3 (H402) Eye Irrit. 2A (H319) Skin Irrit. 2 (H315) Acute Tox. 5 (H303) Flam. Liq. 4 (H227) Skin Sens. 1B (H317)

4. First aid measures

Description of first aid measures

General advice When in doubt or if symptoms are observed, get medical advice.

Inhalation	Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.
Skin contact	Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.
Eye contact	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.
Ingestion	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.
Self-protection of the first aider	Use personal protection recommended in Section 8.

Most important symptoms and effects, both acute and delayed

Symptoms No known symptoms to date.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Foam. Carbon dioxide (CO₂). Dry extinguishing powder.

Large Fire Alcohol resistant foam. Water spray.

Unsuitable extinguishing media Full water jet.

Special hazards arising from the substance or mixture

In case of fire may be liberated, Carbon monoxide, Carbon dioxide (CO₂), Burning produces heavy smoke, Do not inhale explosion and combustion gases.

Protective equipment and precautions for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Use water spray jet to protect personnel and to cool endangered containers. 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.

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 exhaustion 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

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling**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.

Conditions for safe storage, including any incompatibilities**Storage conditions**

Keep container tightly closed in a cool, well-ventilated place. Store in a dry place. Protect from direct sunlight. Remove all sources of ignition. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

8. Exposure Controls/Personal Protection

Control parameters**Occupational exposure limits**

Chemical name	ACGIH OEL	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	1000 PPM (STEL)	1900 MG/M ³ 1000 PPM (TWA)	3300 PPM

Reference sources

The Occupational Safety and Health Administration's (OSHA) subpart Z, Toxic and Hazardous Substances, found in 29 CFR Part 1910;
ACGIH (American Conference of Governmental Industrial Hygienists)
NIOSH (National Institute for Occupational Safety and Health)

Appropriate engineering controls**Engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations. Do not subject to unnecessarily high temperatures during processing.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Eye glasses with side protection.

Hand protection

Wear chemically resistant gloves in combination with 'basic' employee training.

Skin and body protection

Wear appropriate personal protective clothing to prevent skin contact.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product.

FEMA Statement

This product contains substance(s) at $\geq 1.0\%$ listed as Low Priority in Table 1 of the Flavor and Extract Manufacturers Association of the United States Respiratory Health and Safety in the Flavor Manufacturing Workplace (2012 edition)

9. Physical and Chemical Properties

Information on basic physical and chemical properties**Appearance**

LIQUID

Color

CLEAR ORANGE

Odor

VANILLA, FRUITY, SUGARY, MUSKY

Odor threshold

No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	23.9 °C / 75 °F	CC (closed cup), ASTM D93 equivalent
Evaporation rate	No data available	
Flammability (solid, gas)		
Flammability limit in air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	32.73026 mmHg@20°C (calculated)	
Vapor density	No data available	
Relative Density	No data available	
Relative Density	0.8500 - 0.8600 (D25°C/25°C)	
Water solubility	No data available	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive Properties	No data available	
Oxidizing Properties	No data available	

Other informationRefractive Index 1.3840 - 1.3940 (n_{25°C/D})**10. Stability and Reactivity****Reactivity**

None under normal use conditions.

Chemical stability

Stable under normal conditions. Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight. Do not heat closed containers.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products

None under normal use.

11. Toxicological Information**Information on likely routes of exposure**

Product Information	No data available.
Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

Reproductive toxicity No information available.

Specific target organ toxicity - Single exposure No information available.

Specific target organ toxicity - Repeated exposure No information available.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

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

ATEmix (oral)	11575 mg/kg
ATEmix (dermal)	33414 mg/kg
ATEmix (inhalation-vapor)	173.2 mg/l

12. Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Persistence and degradability No information available.

Bioaccumulative potential No information available

Other adverse effects No information available

13. Disposal Considerations**Waste Treatment Methods**

Waste disposal method Dispose of in accordance with local regulations.

Contaminated packaging Do not reuse container.

14. Transport Information

DOT Non-bulk Packaging

UN/ID no 1266

Proper Shipping Name Perfumery products with flammable solvents

Hazard Class	3
Packing group	III
Marine Pollutant	Not regulated

Air transport (ICAO-TI / IATA-DGR)

UN/ID no	1266
Proper Shipping Name	Perfumery products with flammable solvents
Hazard Class	3
Packing group	III

Sea transport (IMDG)

UN/ID no	1266
Proper Shipping Name	Perfumery products with flammable solvents
Hazard Class	3
Packing group	III
EmS No	F-E, S-D
Marine Pollutant	Yes

15. Regulatory Information

Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazardous Categorization -

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

16. Other Information

Revision date 13-Apr-2022

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. Where the handling, storage and disposal of this material is beyond the immediate control of Takasago, it shall be the user's responsibility to determine safe conditions for use of this product. The user assumes all liability for loss, injury, damage or expense resulting from the improper use of this product.

End of Safety Data Sheet