# APEX FLAVORS, INC.

# **SAFETY DATA SHEET**

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Revision date 19-Nov-2025 Revision Number 2

# 1. Identification

**Product identifier** 

Product Name Ube Type, Natural & Artificial (Contains < 0.10% Artificial Top Note)

Other means of identification

Product Code(s) SC-ITEM 1527TTB

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Alcoholic Beverage Flavor

Restrictions on use No information available

Details of the supplier of the safety data sheet

### **Manufacturer Address**

Apex Flavors, Inc. 1361 Brass Mill Rd Suite E Belcamp, MD 21017-1239 United States (410) 565-6600

E-mail address sds@apexflavors.com

**Emergency telephone number** 

Company Phone Number 410-565-6600

Emergency Telephone Chemtrec 1-800-424-9300

# 2. Hazard(s) identification

### Classification

| Specific target organ toxicity (single exposure)   | Category 1 Category 3 |
|--|-----------------------|
| Specific target organ toxicity (repeated exposure) | Category 1            |

### Label elements



# **Danger**

#### **Hazard statements**

Causes damage to organs.

Causes damage to organs through prolonged or repeated exposure. May cause respiratory irritation. May cause drowsiness or dizziness.

### **Precautionary Statements - Prevention**

Do not breathe dust.

Wash face, hands and any exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

### **Precautionary Statements - Response**

IF exposed: Call a POISON CENTER or doctor.

Specific treatment (see .? on this label).

#### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor if you feel unwell.

#### **Precautionary Statements - Storage**

Store locked up.

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

# **Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

#### Other information

No information available.

# 3. Composition/information on ingredients

### Substance

Not applicable.

#### Mixture

| Chemical name    | CAS No. | Weight-%      | Information Review | Date HMIRA filed and date exemption granted (if applicable) |
|------------------|---------|---------------|--------------------|---|
| PROPYLENE GLYCOL | 57-55-6 | 55.00 - 75.00 | -                  | -   |

# 4. First-aid measures

# **Description of first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If

symptoms persist, call a physician.

**Skin contact** Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a

physician.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms Inhalation of high vapor concentrations may cause symptoms like headache, dizziness,

tiredness, nausea and vomiting.

Effects of Exposure Causes damage to organs. Causes damage to organs through prolonged or repeated

exposure.

Indication of any immediate medical attention and special treatment needed

5. Fire-fighting measures

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media**Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

No information available.

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge None.

Special protective equipment and

precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Use personal protection equipment.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment as required. Evacuate

personnel to safe areas.

**Other information** Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

# 7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Ensure adequate

ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable

respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up.

# 8. Exposure controls/personal protection

Control parameters
Exposure Limits

| Chemical name    | Alberta | British Columbia | Ontario                        | Quebec |
|------------------|---------|------------------|--------------------------------|--------|
| PROPYLENE GLYCOL | -       | -                | TWA: 10 mg/m <sup>3</sup> TWA: | -      |
| 57-55-6          |         |                  | 50 ppm TWA: 155                |        |
|                  |         |                  | mg/m³                          |        |

### **Appropriate engineering controls**

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** No special protective equipment required.

**Hand protection** No special protective equipment required.

**Skin and body protection**No special protective equipment required.

exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

# 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid Appearance Liquid

Color Colorless to light yellow

Odor Nutty with subtle coconut and vanilla notes

Odor threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

No data available None known pН Melting point / freezing point No data available None known Initial boiling point and boiling rangeNo data available None known Flash point > 93 C. >200 F. None known **Evaporation rate** No data available None known **Flammability** No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapor pressure No data available None known Relative vapor density No data available None known Relative density 1.035 - 1.0520 None known Soluble in water None known Water solubility Solubility(ies) No data available None known No data available **Partition coefficient** None known No data available None known **Autoignition temperature Decomposition temperature** No data available None known Kinematic viscosity No data available None known Dynamic viscosity No data available None known

Other information

**Explosive properties** No information available Oxidizing properties No information available Softening point No information available Molecular weight No information available No information available **VOC** content **Liquid Density** No information available **Bulk density** No information available Specific Gravity @ 25C 1.0320 - 1.0520 1.035 - 1.055 Specific Gravity @ 20C Refractive Index @ 20C 1.39800 - 1.42800

# 10. Stability and reactivity

**Reactivity** No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

# 11. Toxicological information

Information on likely routes of exposure

**Product Information** 

**Inhalation** May cause irritation of respiratory tract. May cause drowsiness or dizziness.

**Eye contact** Specific test data for the substance or mixture is not available.

# SC-ITEM 1527TTB - Ube Type, Natural & Artificial (Contains < 0.10% Artificial Top Note)

**Skin contact** None known.

**Ingestion** None known.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Inhalation of high vapor concentrations may cause symptoms like headache, dizziness,

tiredness, nausea and vomiting.

Acute toxicity .

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

 ATEmix (oral)
 33,898.30 mg/kg

 ATEmix (dermal)
 35,254.20 mg/kg

 ATEmix (inhalation-gas)
 99,999.00 ppm

 ATEmix (inhalation-vapor)
 99,999.00 mg/L

 ATEmix (inhalation-dust/mist)
 99,999.00 mg/L

**Component Information** 

| Chemical name    | Oral LD50         | Dermal LD50          | Inhalation LC50 |
|------------------|-------------------|----------------------|-----------------|
| PROPYLENE GLYCOL | 20000 mg/kg (Rat) | 20800 mg/kg (Rabbit) | -               |
| 57-55-6          |                   |                      |                 |

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

**Skin corrosion/irritation**No information available.

Serious eye damage/eye irritation No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

Reproductive toxicity No information available.

STOT - single exposure Based on the classification criteria of the Globally Harmonized System as adopted in the

country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). Causes damage to organs. May cause respiratory irritation. May cause drowsiness or

dizziness.

**STOT - repeated exposure**Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard** No information available.

# 12. Ecological information

# **Ecotoxicity**

| Chemical name    | Algae/aquatic plants  | Fish                    | Toxicity to    | Crustacea           |
|------------------|-----------------------|-------------------------|----------------|---------------------|
|                  |                       |                         | microorganisms |                     |
| PROPYLENE GLYCOL | 19000: 96 h           | 51600: 96 h             | -              | 10000: 24 h Daphnia |
| 57-55-6          | Pseudokirchneriella   | Oncorhynchus mykiss     |                | magna mg/L EC50     |
|                  | subcapitata mg/L EC50 | mg/L LC50 static 41 -   |                | 1000: 48 h Daphnia  |
|                  |                       | 47: 96 h Oncorhynchus   |                | magna mg/L EC50     |
|                  |                       | mykiss mL/L LC50 static |                | Static              |
|                  |                       | 51400: 96 h Pimephales  |                |                     |
|                  |                       | promelas mg/L LC50      |                |                     |
|                  |                       | static 710: 96 h        |                |                     |
|                  |                       | Pimephales promelas     |                |                     |
|                  |                       | mg/L LC50               |                |                     |

Persistence and degradability No information available.

**Bioaccumulative potential** There is no data for this product.

Other adverse effects No information available.

# 13. Disposal considerations

### **Disposal methods**

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

# 14. Transport information

DOTNot regulatedTDGNot regulatedMEXNot regulatedICAO (air)Not regulatedIATANot regulatedIMDGNot regulated

# 15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

# **International Regulations**

Revision date 19-Nov-2025

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

**International Inventories** 

**TSCA** Contact supplier for inventory compliance status.

| Chemical name    | CAS No.   | Inventory Listing Status | Commercial Activity Designation |
|------------------|-----------|--------------------------|---------------------------------|
|                  |           |                          | Designation                     |
| PROPYLENE GLYCOL | 57-55-6   | -                        | Unknown *                       |
| Water            | 7732-18-5 | Present                  | Active                          |
| VANILLIN         | 121-33-5  | -                        | Unknown *                       |

<sup>\*</sup>Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

Contact supplier for inventory compliance status. DSL/NDSL Contact supplier for inventory compliance status. **EINECS/ELINCS ENCS** Contact supplier for inventory compliance status. **IECSC** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **KECL** Contact supplier for inventory compliance status. **PICCS** Contact supplier for inventory compliance status. AIIC **NZIoC** Contact supplier for inventory compliance status.

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

NZIoC - New Zealand Inventory of Chemicals

# **US 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 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level

pertaining to releases of this material.

# **US State Regulations**

#### U.S. State Right-to-Know Regulations

| Chemical name    | New Jersey | Massachusetts | Pennsylvania |
|------------------|------------|---------------|--------------|
| PROPYLENE GLYCOL | X          | -             | X            |
| 57-55-6          |            |               |              |
| Water            | -          | -             | X            |
| 7732-18-5        |            |               |              |

#### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

# 16. Other information

NFPA Health hazards 3 Flammability 0 Instability 0 Special hazards - HMIS Health hazards 3 Flammability 0 Physical hazards 0 Personal protection X

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

Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value Sk\* Skin designation

+ Sensitizers

# Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA) EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date 19-Nov-2025

**Revision Note**No information available.

**Disclaimer** 

WARNING/DISCLAIMER:

Our ingredients have not been tested, nor have they been determined safe, for inhalation or use in any electronic smoking

Revision date 19-Nov-2025

devices, electronic nicotine delivery systems, electronic cigarettes, or other similar devices (collectively "E-Cigarettes") or in any E-Liquids used with E-Cigarettes. By receiving Apex Flavors, Inc ingredients, the recipient confirms that they will not use these ingredients in connection with the manufacture and distribution of E-Cigarettes, E-Liquids or any component thereof. WE DISCLAIM, TO THE FULLEST EXTENT PERMITTED BY LAW, ALL WARRANTIES, EXPRESS OR IMPLIED, and disclaim all liability in connection with the use of our ingredients in connection with E-Cigarettes and E-Liquids. All such risks are assumed by you and the user.

#### **Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**