

# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Pure Chocolate Extract  
SYNONYMS: Chocolate Extract  
PRODUCT CODES:

MANUFACTURER: Nielsen Massey Vanillas, Inc.  
DIVISION:  
ADDRESS: 1550 Shield Drive, Waukegan, Illinois 60085 USA

EMERGENCY PHONE: 800-525-7873  
CHEMTREC PHONE: 800-424-9300  
OTHER CALLS: 847-578-1550  
FAX PHONE: 847-578-1570

PRODUCT USE: Flavor in foods and flavor enhancer

SECTION 1 NOTE: GRAS Material

## SECTION 2: HAZARDS IDENTIFICATION

Signal Word: DANGER!

### HAZARD STATEMENTS

H225 Highly Flammable liquid and vapor  
H315 & H320 Causes skin and eye irritation  
H 335 May cause respiratory irritation



### PRECAUTIONARY STATEMENTS

P501 Dispose of contents and container at approved site  
P337 & P313 If eye irritation persists; get medical attention  
P 305 & P351 & P338 IF IN EYES: Rinse cautiously with water for several minutes  
Remove contact lens, continue rinsing seek medical attention  
P303 & P361 & P353 IF ON SKIN: remove contaminated clothing, rinse skin with water  
P370 & P378 In case of fire: use dry sand, dry chemical or alcohol resistant foams  
P210 Keep away from heat or sparks, open flames and hot surfaces  
P233 Keep container closed  
P264 Wash hands thoroughly after handling.



### GHS Classification

Eye irritation (category 2B)  
Flammable Liquids (Category 3)  
Skin irritation (Category 2)  
Specific target organ toxicity- single exposure –Inhalation- May cause respiratory irritation-Lungs

SECTION 2 NOTES: No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS: Water, Alcohol and Cocoa Extract

| <u>CAS NO.</u>         | <u>% WT</u> | <u>% VOL</u> | <u>SARA 313 REPORTABLE</u> |
|------------------------|-------------|--------------|----------------------------|
| Alcohol, ethyl alcohol |             | 16 %         | No                         |
| EINECS: 200-578-6      |             |              |                            |

SECTION 2 NOTES: No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Rinse opened eye for several minutes under running water. If symptoms persists, consult doctor

**SKIN:** Wash with soap and water. If skin irritation continues, consult doctor.

**INGESTION:** Rinse out mouth and then drink plenty of water; in case of persistent symptoms consult doctor

**INHALATION:** Supply fresh air; consult doctor in case of symptoms

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Immediately remove any contaminated clothing

**SECTION 4 NOTES:** Extracts contain alcohol.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR, UPPER:**  
(% BY VOLUME)                      **LOWER:**

**FLASH POINT:**

F: 89

C: 32

**METHOD USED:** Closed cup

**AUTOIGNITION TEMPERATURE:** N/A

F:

C:

**NFPA HAZARD CLASSIFICATION**

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY: 0

OTHER:

**HMIS HAZARD CLASSIFICATION**

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY: 0

PROTECTION: 1

**EXTINGUISHING MEDIA:** Use fire fighting measures that suit the environment

**SPECIAL FIRE FIGHTING PROCEDURES:** None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Can form explosive vapor-air mixture

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide and Carbon Monoxide formed

**SECTION 5 NOTES:** Cool endangered containers with water spray jet. Dispose of fire debris and contaminated fire fighting water in accordance with local regulations. If without risk, move drums with material away from dangerous area.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Prevent material from reaching sewage system, holes and cellars. Do not allow entry into drainage systems or surface ground water. Ensure adequate ventilation. Absorb spill with liquid binding material and dispose of according to local regulations.

**SECTION 6 NOTES:** Avoid contact with spill, remove ignition sources, personnel must be trained to treat spills.

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Ensure good ventilation. Restrict quantity stored. Do not inhale vapor. Avoid product contact

**OTHER PRECAUTIONS:** Make sure that all applicable work place limits are observed.

**SECTION 7 NOTES:** Fumes can combine with air to form explosive mixtures. Store in a cool location. Protect against electrostatic charges. Keep ignition sources away. Protect from heat and direct sunlight.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** Flammable liquid. Personnel trained to use and handle items only allowed to measure and pour.

**VENTILATION :** Provide air flow to prevent fume build up. Fumes are heavier than air.

**RESPIRATORY PROTECTION:** If all work place limits are observed and good ventilation is provide no special precautions.

**EYE PROTECTION:** Tightly sealed safety glasses

**SKIN PROTECTION:** Protective gloves to prevent skin contact

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** No special precautions required.

**WORK HYGIENIC PRACTICES:** Protective clothing should be selected specially for the work place.

**EXPOSURE GUIDELINES:** Long term: 1920 mg/cubic meter , 1000 ppm

**SECTION 8 NOTES:** Contains ethanol (CAS: 64-17-5)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** brownish colored liquid

**ODOR:** characteristic chocolate aroma

**PHYSICAL STATE:** liquid

**pH AS SUPPLIED:** N/A

**pH (Other):**

**BOILING POINT:**

F: No data

C: No data

**MELTING POINT:** not determined

F:

C:

**FREEZING POINT:** not determined

F:

C:

**VAPOR PRESSURE (mmHg):** not determined

@

F:

C:

**VAPOR DENSITY (AIR = 1):** 60 hPa

@

F:

C: 20

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.967 ±0.01

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F:

C: 20

**EVAPORATION RATE:** not determined

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: Complete, fully miscible

PERCENT SOLIDS BY WEIGHT: 0

PERCENT VOLATILE: 16%

VOLATILE ORGANIC COMPOUNDS (VOC): 16%

VISCOSITY: water-like

SECTION 9 NOTES: Product is not self igniting. Product is not explosive, however, formation of explosive air/vapor mixtures is possible.

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## SECTION 10: STABILITY AND REACTIVITY

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### STABLE

### UNSTABLE

Yes

STABILITY:

CONDITIONS TO AVOID (STABILITY): Avoid impact, heat, sparks and electrostatic charges.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide and Carbon Dioxide

HAZARDOUS POLYMERIZATION: N/A

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES: Used empty containers may contain product gases which form explosive mixtures.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: Long lasting and/or repeated skin contact may cause irritation. Eye contact can cause irritation.

SECTION 11 NOTES: No sensitizing effect known

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: Water hazard class 1 (self assessment) : slightly hazardous for water

SECTION 12 NOTES: None

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Disposal must be made according to local regulations.

Product contains ethanol, waste disposal must be made according to official regulations.

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SECTION 13 NOTES: Disposal is recommended by licensed waste disposal firm.

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Extracts, Flavoring Liquid  
HAZARD CLASS: 3  
ID NUMBER: UN1197  
PACKING GROUP: III  
LABEL STATEMENT: None

### WATER TRANSPORTATION

PROPER SHIPPING NAME: Extracts, Flavoring, Liquid  
HAZARD CLASS: 3  
ID NUMBER: 1197  
PACKING GROUP: III  
LABEL STATEMENTS: None

### AIR TRANSPORTATION

PROPER SHIPPING NAME: Extracts, Flavoring , Liquid  
HAZARD CLASS: 3  
ID NUMBER: 1197  
PACKING GROUP: III  
LABEL STATEMENTS: IATA



### SECTION 14 NOTES:

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## SECTION 15: REGULATORY INFORMATION

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GRAS under FDA guidelines.

### INTERNATIONAL REGULATIONS:

Designation according to EC guidelines: Product classified and labeled in accordance with EC Directives and relevant national law.

Not subject to: EC 2037/2000 – Ozone depletion  
EC 850/2004 – Organic Pollutant  
EC 689/2008 - Import and Export of dangerous chemicals

### SECTION 15 NOTES:

Information about limitations of use: Employment restrictions concerning young person's must be observed.

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION: Product has highly flammable ingredients that does not represent the classification of the preparation.

### PREPARATION INFORMATION: 11 Feb 2020

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DISCLAIMER: These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.