

SAFETY DATA SHEET

P/N

Issuing Date: 28-Nov-2018

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Version 1

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

1.1 Product identifier

Product name AO56-00006 VANILLA SPICE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use No information available

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet Details Of The Supplier Of The Safety Data Sheet

Ungerer and Company
4 Ungerer Way
Lincoln Park, NJ 07035-1491
1-973-628-0600

For further information, please contact: Michael Licciardello

E-mail address mlicciardello@UngererAndCompany.com

1.4 Emergency Telephone Number

FOR EMERGENCY INFORMATION CONTACT:

CHEMTREC: 1-800-424-9300 For US/ 703-527-3887 Outside US / CN#23087

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1A
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 2

2.2 Label Elements

contains 3-Phenylacrylaldehyde, Eugenol, 2-Propenal, 2-methyl-3-phenyl-, 2-Propen-1-ol, 3-phenyl-



Signal Word

Warning

Hazard Statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

contains Caryophyllene, Coumarin, Linalool

EU Specific Hazard Statements

EUH208 - Contains (. ?). May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves and eye/face protection

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

P280 - Wear eye protection/ face protection

P321 - Specific treatment (see supplemental first aid instructions on this label)

2.3 Other Information

Other hazards

May be harmful if swallowed May be harmful in contact with skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH preregistration number
3-Phenylacrylaldehyde	203-213-9	104-55-2	>=25 - 100%	Acute Tox. 4 (H312) Acute Tox. 5 (H303) Eye Irrit. 2A (H319) Aquatic Acute 2 (H401) Skin Irrit. 2 (H315) Skin Sens. 1A (H317)	05-2118497466-24-XXXX
Benzyl benzoate	204-402-9	120-51-4	>=25 - 100%	Acute Tox. 5 (H313) Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	05-2118514925-38-XXXX
Eugenol	202-589-1	97-53-0	10 - < 15%	Acute Tox. 5 (H303) Eye Irrit. 2A (H319) Aquatic Acute 2 (H401) Skin Irrit. 3 (H316) Skin Sens. 1B (H317)	05-2118518482-44-XXXX
2-Propenal, 2-methyl-3-phenyl-	202-938-8	101-39-3	5 - < 10%	Acute Tox. 5 (H303) Aquatic Acute 2 (H401) Skin Sens. 1B (H317)	05-2118492152-44-XXXX
2-Propen-1-ol, 3-phenyl-	203-212-3	104-54-1	1 - < 5%	Acute Tox. 5 (H303) Skin Sens. 1B (H317)	05-2118497190-39-XXXX
Acetyl methyl carbinol	208-174-1	513-86-0	1 - < 5%	Flam. Liq. 3 (H226) STOT RE 2 (H373)	05-2118499526-24-XXXX
Vanillin	204-465-2	121-33-5	1 - < 5%	Acute Tox. 5 (H303) Eye Irrit. 2A (H319) Aquatic Chronic 3 (H402)	05-2118740041-58-XXXX
Caryophyllene	201-746-1	87-44-5	0.1 - < 1%	Asp. Tox. 1 (H304) Skin Irrit. 3 (H316) Skin Sens. 1B (H317)	05-2118492131-48-XXXX
Coumarin	202-086-7	91-64-5	0.1 - < 1%	Acute Tox. 4 (H302) Aquatic Acute 3 (H402) Skin Sens. 1B (H317)	05-2118515827-35-XXXX
Linalool	201-134-4	78-70-6	0.1 - < 1%	Acute Tox. 5 (H303) Eye Irrit. 2A (H319) Aquatic Acute 3 (H402) Flam. Liq. 4 (H227) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	05-2118591731-36-XXXX
Safrole	202-345-4	94-59-7	< 0.1%	Acute Tox. 4 (H302) Carc. 1B (H350) Muta. 2 (H341)	None
Methyl eugenol	202-223-0	93-15-2	< 0.1%	Acute Tox. 4 (H302) Carc. 2 (H351) Aquatic Acute 2 (H401) Muta. 2 (H341)	05-2118612940-47-XXXX

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Specific treatment (see ? on this label)

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Eyes

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

Skin contact

Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Immediate medical attention is not required.

Ingestion

Do not induce vomiting. Drink plenty of water. If symptoms persist, call a physician. Rinse mouth. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation

Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. use barrier to give mouth-to-mouth resuscitation. Consult a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

Protection of first-aiders

Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

See Section 11 for additional information.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wear personal protective equipment/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Use local exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

7.3 Specific end uses

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection

Tightly fitting safety goggles.

Hand Protection

Protective gloves.

Skin and body protection

Lightweight protective clothing. Apron. Impervious gloves. Long sleeved clothing.

Respiratory protection

No special protective equipment required.

Hygiene measures

When using do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

Environmental Exposure Controls

Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

Physical State @20°C

Liquid

Appearance

Clear Green - Yellow

Odor

Characteristic

Odor Threshold

No information available

pH

No information available

Melting point/range

No information available

Freezing Point

No information available

Initial Boiling Point

No information available

Boiling point/boiling range

410 °F / 210 °C

Flash point

201 °F / 94 °C

Evaporation Rate VALUE (BuOAc=1) (Literature)

No information available

Flammability Limits in Air

No information available

Explosive properties

No information available

Oxidizing Properties

No information available

Vapor Pressure @20°C (mmHg)

0.114

Vapor Density

No information available

Specific Gravity

1.0703

Water Solubility

Insoluble in water

solubility

No information available

Partition coefficient:

No information available

Autoignition temperature

No information available

Decomposition Temperature °C

No information available

Viscosity, dynamic	No information available
Molecular Weight	No information available
VOC Content	No information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

None under normal use.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product Information

Inhalation

There is no data available for this product.

Eye contact

There is no data available for this product.

Skin contact

There is no data available for this product.

Ingestion

There is no data available for this product.

Component Information

Toxicology data for the components

Chronic toxicity

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical name	OSHA	IARC	ACGIH	NTP
Safrole 94-59-7		2B		Reasonably Anticipated
Methyl eugenol 93-15-2		2B		Reasonably Anticipated

IARC: (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

Sensitization

No information available.

Target Organ Effects

No information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. .

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Vanillin		LC50: 57 mg/L LC50: 88 mg/L 96h LC50: 53 - 61.3 mg/L	EC50: 180 mg/L
Linalool	EC50: 88.3 mg/L	LC50: 22 - 46 mg/L	EC50: 20 mg/L

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

Chemical name	log Pow
3-Phenylacrylaldehyde	2.22
Vanillin	1.23
Linalool	2.84 - 3.1

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

Chemical name

Linalool

PBT and vPvB assessment

The substance is not PBT / vPvB

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other information

According to the European waste catalogue, waste codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

IMDG/IMO

UN Number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)
Hazard Classification	9
Packaging Group	III
Marine pollutant	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

ADR/RID

UN Number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)
Hazard Classification	9
Packing Group	III

ICAO/IATA

UN Number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)
Hazard Classification	9
Packing Group	III

15. REGULATORY INFORMATION

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

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Not determined
IECSC	Complies
AICS	Complies
KECL	Not determined

For research use only

Legend

TSCA	- United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS	- European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL	- Canadian Domestic Substances List/Non-Domestic Substances List
PICCS	- Philippines Inventory of Chemicals and Chemical Substances
ENCS	- Japan Existing and New Chemical Substances
IECSC	- China Inventory of Existing Chemical Substances
AICS	- Australian Inventory of Chemical Substances
KECL	- Korean Existing and Evaluated Chemical Substances

15.2 Chemical Safety Report

No information available.

16. OTHER INFORMATION

Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapor
H227 - Combustible liquid
H302 - Harmful if swallowed
H303 - May be harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H313 - May be harmful in contact with skin
H315 - Causes skin irritation
H316 - Causes mild skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H401 - Toxic to aquatic life
H402 - Harmful to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Revision Date: 28-Nov-2018

Revision Note: No information available.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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.

This material has not been evaluated for safe use in e-cigarettes, therefore Ungerer & Company's position is that it is not intended to be used in this particular application