

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	CANTALOUPE MELON FLAVOR NAT WONF
Registration number	-
Synonyms	None.
Product code	CA1371
Issue date	20-November-2015
Version number	03
Revision date	08-March-2017
Supersedes date	08-March-2017

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

Identified uses	Use in accordance with supplier's recommendations.
Uses advised against	No other uses are advised.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name	Capella Flavors, Inc.	
Address	6155 Corte Del Cedro Carlsbad, CA 92011 United States	
Division		
Telephone	Office	760 650-0200
	Fax	n/a
e-mail	customerservice@capellaflavors.com	
Contact person	Not available.	

1.4. Emergency telephone number	CHEMTREC	800-424-9300
	INTERNATIONAL	703-741-5500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.

Precautionary statements

Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information EUH208 - Contains TRADE SECRET. May produce an allergic reaction.

2.3. Other hazards Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
ETHYL ACETATE NAT NOP	#1029	1-<3	141-78-6 205-500-4	-	607-022-00-5
Classification:	Flam. Liq. 2;H225, Eye Irrit. 2;H319				

Other components below reportable levels 90 - 100

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Exposure may cause temporary irritation, redness, or discomfort.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Alcohol resistant foam. Powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Use water spray to reduce vapours or divert vapour cloud drift.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling** Avoid prolonged exposure. Observe good industrial hygiene practices.
- 7.2. Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
- 7.3. Specific end use(s)** Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	Ceiling	2100 mg/m3
		600 ppm
	MAK	1050 mg/m3 300 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	1461 mg/m3
		400 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	800 mg/m3

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	MAC	200 ppm
	STEL	400 ppm
PROPYLENE GLYCOL NOM NFI (CAS 57-55-6)	MAC	10 mg/m3 150 ppm

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	1400 mg/m3
		400 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	Ceiling	900 mg/m3
	TWA	700 mg/m3

Denmark. Exposure Limit Values

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TLV	540 mg/m3
		150 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	1100 mg/m3
	TWA	300 ppm
		500 mg/m3 150 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	1800 mg/m3
	TWA	500 ppm
		1100 mg/m3 300 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	VME	1400 mg/m3
		400 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	1500 mg/m3
		400 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	AGW	1500 mg/m3
		400 ppm

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	1400 mg/m3
		400 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	1400 mg/m3
	TWA	1400 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	540 mg/m3
		150 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	400 ppm	
	TWA	200 ppm	
PROPYLENE GLYCOL NOM NFI (CAS 57-55-6)	TWA	470 mg/m3	Total vapour and particulates.

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
		10 mg/m3 150 ppm	Particulate. Total vapour and particulates.

Italy. Occupational Exposure Limits

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	400 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	200 mg/m3
PROPYLENE GLYCOL NOM NFI (CAS 57-55-6)	TWA	7 mg/m3

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	Ceiling	1100 mg/m3
	TWA	300 ppm 500 mg/m3 150 ppm
PROPYLENE GLYCOL NOM NFI (CAS 57-55-6)	TWA	7 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TLV	550 mg/m3
	TLV	150 ppm
PROPYLENE GLYCOL NOM NFI (CAS 57-55-6)	TLV	79 mg/m3 25 ppm

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	1468 mg/m3
	TWA	734 mg/m3

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	400 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	500 mg/m3
	TWA	139 ppm 400 mg/m3 111 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	1100 mg/m3
		300 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
	TWA	500 mg/m ³ 150 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	1400 mg/m ³ 400 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	TWA	1460 mg/m ³ 400 ppm

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	1100 mg/m ³
	TWA	300 ppm 500 mg/m ³ 150 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	2800 mg/m ³
	TWA	800 ppm 1400 mg/m ³ 400 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)	STEL	400 ppm	
	TWA	200 ppm	
PROPYLENE GLYCOL NOM NFI (CAS 57-55-6)	TWA	474 mg/m ³ 10 mg/m ³ 150 ppm	Total vapour and particulates. Particulate. Total vapour and particulates.

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection	Wear appropriate chemical resistant gloves.
- Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Colour	Not available.
Odour	Not available.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	-59 °C (-74,2 °F) estimated
Initial boiling point and boiling range	188,2 °C (370,76 °F) estimated
Flash point	> 93,3 °C (> 200,0 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	0,17 hPa estimated
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	371,11 °C (700 °F) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2. Other information

Refractive index	1,4165 - 1,4465
Specific gravity	1,01 - 1,04

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	Exposure may cause temporary irritation, redness, or discomfort.
11.1. Information on toxicological effects	
Acute toxicity	No data available.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory sensitisation	Due to partial or complete lack of data the classification is not possible.
Skin sensitisation	Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.
Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)	
Not listed.	
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
Mixture versus substance information	No information available.
Other information	May cause allergic respiratory and skin reactions.

SECTION 12: Ecological information

12.1. Toxicity	Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
12.2. Persistence and degradability	
12.3. Bioaccumulative potential	
Partition coefficient n-octanol/water (log Kow)	
ETHYL ACETATE NAT #1029 NOP	0,73
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not established.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I, as amended
Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II, as amended
Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended
Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended
Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.
Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended
ETHYL ACETATE NAT #1029 NOP (CAS 141-78-6)

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. Additional information is given in the Safety Data Sheet.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.

Training information

Follow training instructions when handling this material.

Disclaimer

Capella Flavors, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.