In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION Product information

Sales No. : ZD-053-008-2

Citrus Punch Flavor

the substance or mixture and uses advised against

Relevant identified uses of : Flavouring for foodstuffs. Not for retail sale

Intended Use Flavours

Company

Givaudan Flavors Corp. 1199 Edison Drive CINCINNATI OH 45216

UNITED STATES OF AMERICA

+12152070061

Emergency telephone

: +18669280789

number

Please refer to section 16 for a full list of emergency phone numbers.

#### SECTION 2. HAZARDS IDENTIFICATION

### Classification according to HCS 2012 (29 CFR Parts 1910, 1915, and 1926)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

#### Label elements

#### Labelling (REGULATION 29 CFR Parts 1910, 1915, and 1926).

Hazard pictograms

Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.

Precautionary statements Prevention:

> Avoid breathing dust/ fume/ gas/ mist/ P261

vapours/ spray.

P272 Contaminated work clothing should not be

allowed out of the workplace.

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



# Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

P280 Wear protective gloves.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and

water.

P333 + P313 If skin irritation or rash occurs: Get medical

advice/ attention.

P363

Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an

approved waste disposal plant.

Hazards not Otherwise

Classified.

None

**Please note:**Mixtures have not been tested for health hazards. The health hazard information presented is provided in accordance with US 29 CFR 1910.1200 and is based on the testing of individual components which have been shown to cause or may cause these health effects when tested at higher concentrations or at full strength.

## Ingredients with unknown acute toxicity.:

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity:  $\mathbf{0}$  %

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

# **Hazardous components**

Component	CAS-No.	Concentration [%]
propane-1,2-diol	57-55-6	50.00 - 70.00
(R)-1-methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	1.00 - 10.00

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

## **SECTION 4. FIRST AID MEASURES**

#### First aid measures

#### Description of first aid measures

General advice : Consult physician or Poison Control Center. The National

Hotline for US Poison Control Centers is 1.800.222.1222;

www.1-800-222-1222.info/poisonHelp.asp

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



# Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

If inhaled : Get to fresh air immediately.

Consult Poison Control Center or physician if any symptoms

develop.

In case of skin contact : Rinse immediately with plenty of water for at least 15 minutes.

If skin irritation occurs, seek medical advice/attention.

Remove contaminated clothing and shoes.

Immediately seek medical attention if chemical entered ear

canal.

When symptoms persist or in all cases of doubt seek medical

advice.

In case of eye contact : Remove contact lenses.

Immediately flush eyes for at least 15 minutes. Get medical

attention.

If swallowed : Do NOT induce vomiting.

Immediately consult Poison Control Center or physician.

#### Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

## Indication of any immediate medical attention and special treatment needed

no data available

### **SECTION 5. FIREFIGHTING MEASURES**

## Extinguishing media

Suitable extinguishing media : Water spray

Alcohol-resistant foam Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

: no data available

#### Special hazards arising from the substance or mixture

Specific hazards during

: Do not allow run-off from fire fighting to enter drains or water

firefighting

courses.

#### Advice for firefighters

Special protective equipment : Wear self-contained breathing apparatus for firefighting if

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



### Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

for firefighters necessary.

Further information : Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

## Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas.

Use personal protective equipment as required.

For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

Material can create slippery conditions.

### **Environmental precautions**

Retain and dispose of contaminated wash water.

The product should not be allowed to enter drains, water courses or the soil.

Dispose of in accordance with local regulations.

Local authorities should be advised if significant spillages cannot be contained.

#### Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Keep in suitable, closed containers for disposal.

Clean contaminated floors and objects thoroughly while observing environmental regulations.

### SECTION 7. HANDLING AND STORAGE

#### Precautions for safe handling

Advice on safe handling : When using do not eat, drink or smoke.

Avoid contact with skin and eyes.

Open drum carefully as content may be under pressure.

Advice on protection against

fire and explosion

: no data available

#### Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep container tightly closed in a dry and well-ventilated

place.

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



### Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Further information on : Ambient / 10-30℃ (50-85年) storage conditions : Preferably full, hermetically sealed

Advice on common storage : no data available

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## **Exposure Guidelines**

Components	CAS-No.:	Type:	Value :	Basis:	Revision:
propane-1,2-diol	57-55-6	TWA	10 mg/m3	US WEEL	2008-01-01
(R)-1-methyl-4-(1- methylethenyl)- cyclohexene	5989-27-5	TWA	30 ppm	US WEEL	2016-08-17

Exposure Assessment: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional respiratory protection.

#### **Engineering measures**

Ventilation: Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposures limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

#### Personal protective equipment

Protective measures : Choose PPE based on a hazard assessment, taking into

account to the concentration and amount of dangerous substances, and to the specific work-place conditions.

Eye protection : Ensure that eyewash stations and safety showers are close to

the workstation location.

Wear safety glasses with side-shields.

Hand protection : Wear chemical resistant gloves suitable for this material as

determined by a hazard assessment.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection : Wear protective clothing suitable for this material as

determined by a hazard assessment.

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



# Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

Respiratory protection : Respiratory protection should be worn when workplace

exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse effects, including but not limited to respiratory irritation or odor, where indicated or required by the exposure assessment. Selection of air-purifying or positive-pressure supplied air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the actual or potential airborne concentrations. The type of cartridge or filter to be used must be selected and approved for the chemical, class, or classes of chemical(s) likely to be encountered in the workplace. For emergency conditions, use an approved positive-pressure self-contained breathing

apparatus.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice.

Remove contaminated clothing and protective equipment

before entering eating areas.

Wash hands before breaks and immediately after handling the

product

See Section 16 for further information.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid Form : liquid

Color : Almost colorless to colorless

Taste : Citrus

Odor : not determined Odour Threshold : Not applicable

Flash point : > 201 F (> 94 °C) Method: Setaflash rapid tester closed cup

Lower explosion limit : not determined
Upper explosion limit : not determined
Flammability (solid, gas) : Not applicable
Auto-ignition temperature : not determined
Decomposition temperature : not data available
pH : not determined

pH : not determined
Melting point : not determined
Boiling point : not determined
Vapor pressure : 0.1817 hPa at

68 F (20 ℃) Calculated (64.0 %)

Density : 1,044.11 kg/m3 at

68 °F (20 °C)

Bulk density : Not applicable

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



# Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

Solubility/qualitative : soluble Partition coefficient: n-: Not applicable

octanol/water

Viscosity, kinematic : no data available Relative vapour density : no data available : no data available Evaporation rate

### **SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid : no data available

Materials to avoid : no data available

Hazardous decomposition

products

: no data available

Chemical stability : The product is chemically stable.

Reactivity : none

Hazardous reactions : no data available

#### SECTION 11. TOXICOLOGICAL INFORMATION

## Information on toxicological effects

**Acute oral toxicity** : No data is available on the product itself.

Acute inhalation toxicity : No data is available on the product itself.

Acute dermal toxicity : No data is available on the product itself.

of administration)

**Acute toxicity (other routes** : No data is available on the product itself.

Skin corrosion/irritation : May cause skin irritation in susceptible persons.

Serious eve damage/eve

irritation

: No data is available on the product itself.

Respiratory or skin : Causes sensitisation.

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



## Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

sensitisation

**Mutagenicity** : No data is available on the product itself.

**Reproductive toxicity** : No data is available on the product itself.

**Teratogenicity** : No data is available on the product itself.

Carcinogenicity:

IARC : Remarks : No component of this product present at levels greater

than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : Remarks : No component of this product present at levels greater

than or equal to 0.1% is identified as a carcinogen or

potential carcinogen by OSHA.

NTP : Remarks : No component of this product present at levels greater

than or equal to 0.1% is identified as a known or

anticipated carcinogen by NTP.

**STOT - single exposure** : No data is available on the product itself.

**STOT - repeated exposure** : No data is available on the product itself.

**Aspiration hazard** : No data is available on the product itself.

Further information : no data available

**Please note:**Mixtures have not been tested for health hazards. The health hazard information presented is provided in accordance with US 29 CFR 1910.1200 and is based on the testing of individual components which have been shown to cause or may cause these health effects when tested at higher concentrations or at full strength.

### SECTION 12. Ecological information

Ecological information is not reported.

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

### **SECTION 13. DISPOSAL CONSIDERATIONS**

The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local, state and federal regulations.

#### SECTION 14. TRANSPORT INFORMATION

14.1 UN number

 49 CFR
 : N/A

 IMDG
 : UN 3082

 IATA
 : UN 3082

14.2 UN proper shipping name

49 CFR : Not regulated as a dangerous good

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(Methyl isopropenyl cyclohexene, Methyl isopropenyl

cyclohexene)

IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(Methyl isopropenyl cyclohexene)

14.3 Transport hazard class(es)

N/A

14.4 Packing group

N/A

14.5 Environmental hazards

N/A

14.6 Special precautions for user

**49 CFR** 

Not regulated as a dangerous good

Remarks : Shipment by ground under DOT is non-regulated; however it

may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



# Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

Remarks : Shipment by ground under DOT is non-regulated; however it

may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

**IMDG** 

IMDG Code Segregation : None

Group

# 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

### **SECTION 15. REGULATORY INFORMATION**

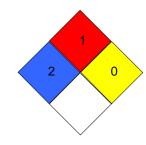
Only relevant information is reported

SARA 311/312 Hazards. : Acute Health Hazard

#### **SECTION 16. OTHER INFORMATION**

NFPA : Health hazard: 2 Classification : Fire Hazard: 1

Reactivity Hazard: 0



#### Full list of Emergency response numbers worldwide.

	Country	Phone nr		Country	Phone nr
Europe	All Europe	+44 1235 239670	APAC	All East/South East Asia	+65 3158 1074
	France	+33 1 72 11 00 03		Sri Lanka	+65 3158 1195
	Germany	+49 69 222 25285		Taiwan	+886 2 8793 3212
	Spain	+34 91 114 2520		Japan	+81 3 4578 9341
	Italy	+39 02 3604 2884		Indonesia	007 803 011 0293

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.



# Citrus Punch Flavor

Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

	Netherlands	+31 10 713 8195	ĺ	Molovojo	+60 3 6207 4347
				Malaysia	
	Turkey	+90 212 375 5231 +47 2103 4452		Thailand	001 800 120 666 751
	Norway			India	+65 3158 1198 000 800 100 7479
	Greece	+30 21 1198 3182	21 1198 3182		+65 3158 1329
	Portugal	+351 30880 4750		Bangladesh	+65 3158 1200
	Denmark	+45 8988 2286		Philippines	+65 3158 1203
	Sweden	+46 8 566 42573		Vietnam	+84 28 4458 2388
	Poland	+48 22 307 3690		Korea	+65 3158 1285
	Czech replublic	+420 228 882 830		South Korea	+82 2 3479 8401
	Finland	+358 9 7479 0199		Australia	+61 2 8014 4558
Middle East/Africa	All Middle East/Africa	+44 1235 239671		New Zealand	+64 9 929 1483
	Bahrain and Middle East	+973 1619 8321		China	+86 532 8388 9090
	Africa/South Africa	+27 21 300 2732		Mexico	+52 55 5004 8763
NOAM	USA and Canada	+1 866 928 0789	LATAM	Brazil	+55 11 3197 5891
	USA and Canada	+1 215 207 0061		Chile	+56 2 2582 9336
	USA and Canada	+1 202 464 2554	Global	Global	+44 1865 407333

Givaudan recommends that each recipient or user of this SDS carefully study this document and consult with the appropriate expert (i.e., industrial hygienist, toxicologist, or occupational physician) to understand and appreciate the technical data, any associated hazards, and appropriate control measures needed to ensure the safe handling and use of this product. The above information relates only to this product and not to its use in combination with any other material or in any particular process. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers and technical groups and is considered to be accurate to the best of Givaudan's knowledge as of the date of this document. Since the conditions of handling and use are not within the knowledge of Givaudan, it is the responsibility of the recipient to conduct an appropriate hazard assessment and to review all information about this product and determine its safety and suitability in their own processes and operations.

Appropriate warnings and safe handling instructions should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use.

Version: 10

Revision Date: 22 MAY 2018 Print Date: 22 MAY 2018

Administrative information:

Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09

# SAFETY DATA SHEET Givaudan In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926. Citrus Punch Flavor Version 1.0 Revision Date 22 MAY 2018 Print Date 22 MAY 2018

Administrative information:
Report Information: SDS\_US/EN/GHS\_SDS\_NA\_REGION/09