

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** APPLE FLAVOURING (F) S19867

**Version:** 2

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

**Product identifier:** APPLE FLAVOURING (F) S19867

**Other identifiers:** None

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

**Product uses:**

#### 1.3 Details of the supplier of the safety data sheet

**Company name:** Irish Country Gold

**Company address:** Flavours and Essences UK Ltd.  
Flavours House  
Mercer Way  
Shadsworth Business Park  
Blackburn  
BB1 2QD

**Contact:** Regulatory Affairs

**E-Mail address:**

**Company phone:** 0044 1 254 667447

#### 1.4 Emergency telephone number

**Emergency phone:** 0044 1 254 667447

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### **Classification under Regulation (EC) No 1272/2008**

**Class and category of danger:** Flammable Liquid, Hazard Category 3  
Eye Irritation Category 2  
H226, Flammable liquid and vapour.  
H319, Causes serious eye irritation.

#### 2.2 Label elements

##### **Classification under Regulation (EC) No 1272/2008**

**Signal word:** Warning

**Hazard statements:** H226, Flammable liquid and vapour.  
H319, Causes serious eye irritation.

**Supplemental Information:** EUH208, Contains Hexanal, Hexen-2-al. May produce an allergic reaction.

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**Precautionary statements:**

P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.  
P233, Keep container tightly closed.  
P240, Ground/bond container and receiving equipment.  
P241, Use explosion-proof electrical, ventilating and lighting equipment.  
P242, Use only non-sparking tools.  
P243, Take precautionary measures against static discharge.  
P264, Wash hands and other contacted skin thoroughly after handling.  
P280, Wear protective gloves/eye protection/face protection.  
P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337/313, If eye irritation persists: Get medical advice/attention.  
P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.  
P403/235, Store in a well-ventilated place. Keep cool.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:**



### 2.3 Other hazards

**Other hazards:** Sensitisers declared on a CLP Hazard Label: Hexanal, Hexen-2-al  
Hazard Label:  
Hydrocarbon Concentration %: 0.0000%

### Section 3. Composition / information on ingredients

### 3.2 Mixtures

**Contains:**

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
Ethyl acetate	141-78-6	205-500-4		1-<5%	Flam. Liq. 2-Eye Irrit. 2-STOT SE 3;H225-H319-H336,EUH066	
Hexyl alcohol	111-27-3	203-852-3		1-<5%	Flam. Liq. 3-Acute Tox. 4-Acute Tox. 4-Eye Irrit. 2;H226-H302-H312-H319,-	dermal: ATE = 1750 mg/kg bw-oral: ATE = 500 mg/kg bw

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Isoamyl alcohol	123-51-3	204-633-5		0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Eye Dam. 1-STOT SE 3;H226-H315-H318-H335,EUH066	dermal: ATE = 3216 mg/kg bw-oral: ATE = 4000 mg/kg bw
Hexanal	66-25-1	200-624-5		0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H226-H315-H317-H319,-	
Hexen-2-al	6728-26-3	229-778-1		0.1-<1%	Flam. Liq. 3-Acute Tox. 4-Acute Tox. 3-Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H226-H302-H311-H315-H317-H319,-	dermal: ATE = 600 mg/kg bw-oral: ATE = 850 mg/kg bw

### Substances with Community workplace exposure limits:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
Ethyl acetate	141-78-6	205-500-4		1-<5%	Flam. Liq. 2-Eye Irrit. 2-STOT SE 3;H225-H319-H336,EUH066	
Isoamyl alcohol	123-51-3	204-633-5		0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Eye Dam. 1-STOT SE 3;H226-H315-H318-H335,EUH066	dermal: ATE = 3216 mg/kg bw-oral: ATE = 4000 mg/kg bw
Propylene glycol	57-55-6	200-338-0	01-2119456809-23-xxxx	50-100%	-;,-	

### Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:

Not Applicable

### Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

## Section 4. First-aid measures

### 4.1 Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

**Eye exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin exposure:** IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

**Ingestion:** Rinse mouth with water and obtain medical attention.

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

Causes serious eye irritation.

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

None expected, see Section 4.1 for further information.

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### Section 5: Firefighting measures

#### **5.1 Extinguishing media**

Suitable media: Carbon dioxide, Dry chemical, Foam.

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

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

#### **5.3 Advice for fire fighters:**

In case of insufficient ventilation, wear suitable respiratory equipment.

### Section 6. Accidental release measures

#### **6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

#### **6.2 Environmental precautions:**

Keep away from drains, surface and ground water, and soil.

#### **6.3 Methods and material for containment and cleaning up:**

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

#### **6.4 Reference to other sections:**

Also refer to sections 8 and 13.

### Section 7. Handling and storage

#### **7.1 Precautions for safe handling:**

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

#### **7.2 Conditions for safe storage, including any incompatibilities:**

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

#### **7.3 Specific end use(s):**

Use in accordance with good manufacturing and industrial hygiene practices.

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### Section 8. Exposure controls/personal protection

#### 8.1 Control parameters

Workplace exposure limits:

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Ingredient	CAS	EC	Description	Value
Ethyl acetate	141-78-6	205-500-4	Long-term exposure limit (8-hour TWA) (ppm)	200
			Long-term exposure limit (8-hour TWA) (mg/m3)	734
			Short-term exposure limit (15-minute) (ppm)	400
			Short-term exposure limit (15-minute) (mg/m3)	1468
			Long-term exposure limit (8-hour TWA) Reference	UK EH40 Oct 2007
			Long-term exposure limit (8-hour TWA) Updated	04/01/2010 00:00:00
			Short-term exposure limit (15-minute) Reference	UK EH40 Oct 2007
			Short-term exposure limit (15-minute) Updated	04/01/2010 00:00:00
Isoamyl alcohol	123-51-3	204-633-5	Long-term exposure limit (8-hour TWA) (ppm)	5
			Long-term exposure limit (8-hour TWA) (mg/m3)	18
			Short-term exposure limit (15-minute) (ppm)	10
			Short-term exposure limit (15-minute) (mg/m3)	37
			Long-term exposure limit (8-hour TWA) Reference	UK EH40 Oct 2007
			Long-term exposure limit (8-hour TWA) Updated	04/01/2010 00:00:00
			Short-term exposure limit (15-minute) Reference	UK EH40 Oct 2007
			Short-term exposure limit (15-minute) Updated	04/01/2010 00:00:00

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Propylene glycol	57-55-6	200-338-0	Long-term exposure limit (8-hour TWA) (ppm)	150
			Long-term exposure limit (8-hour TWA) (mg/m <sup>3</sup> )	474
			Long-term exposure limit (8-hour TWA) Reference	UK EH40 Oct 2007
			Long-term exposure limit (8-hour TWA) Updated	04/01/2010 00:00:00
			Short-term exposure limit (15-minute) Reference	UK EH40 Oct 2007
			Short-term exposure limit (15-minute) Updated	04/01/2010 00:00:00

### 8.2 Exposure Controls

#### Eye / Skin Protection

Wear protective gloves/eye protection/face protection

#### Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical State/Colour:</b>	A colourless to straw coloured liquid
<b>Odour:</b>	A typical apple odour
<b>Odour threshold:</b>	Not determined
<b>Melting point / freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range:</b>	Not determined
<b>Flammability:</b>	Not determined
<b>Lower and upper explosion limit:</b>	Not determined
<b>Flash point:</b>	37 °C
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not relevant
<b>pH:</b>	Not determined

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<b>Kinematic viscosity:</b>	Not determined
<b>Solubility:</b>	Not determined
<b>Partition coefficient: n-octanol/water (log value):</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density and/or relative density:</b>	1.0090 - 1.0290
<b>Relative vapour density:</b>	Not determined
<b>Particle characteristics:</b>	Not determined

**9.2 Other information:** None available

### Section 10. Stability and reactivity

#### **10.1 Reactivity:**

Presents no significant reactivity hazard, by itself or in contact with water.

#### **10.2 Chemical stability:**

Good stability under normal storage conditions.

#### **10.3 Possibility of hazardous reactions:**

Not expected under normal conditions of use.

#### **10.4 Conditions to avoid:**

Avoid extreme heat.

#### **10.5 Incompatible materials:**

Avoid contact with strong acids, alkalis or oxidising agents.

#### **10.6 Hazardous decomposition products:**

Not expected.

### Section 11. Toxicological information

#### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

**Acute Toxicity:** Based on available data the classification criteria are not met.

Acute Toxicity Oral >5000

Acute Toxicity Dermal >5000

Acute Toxicity Inhalation Not Available

**Skin corrosion/irritation:** Based on available data the classification criteria are not met.

**Serious eye damage/irritation:** Eye Irritation Category 2

**Respiratory or skin sensitisation:** Based on available data the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data the classification criteria are not met.

**Carcinogenicity:** Based on available data the classification criteria are not met.

**Reproductive toxicity:** Based on available data the classification criteria are not met.

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**STOT-single exposure:** Based on available data the classification criteria are not met.

**STOT-repeated exposure:** Based on available data the classification criteria are not met.

**Aspiration hazard:** Based on available data the classification criteria are not met.

### Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Hexen-2-al	6728-26-3	229-778-1	850	600	Not available	Not available
Hexyl alcohol	111-27-3	203-852-3	500	1750	Not available	Not available

Refer to Sections 2 and 3 for additional information.

### 11.2 Information on other hazards

Not Applicable

### Section 12. Ecological information

**12.1 Toxicity:** Not available

**12.2 Persistence and degradability:** Not available

**12.3 Bioaccumulative potential:** Not available

**12.4 Mobility in soil:** Not available

### **12.5 Results of PBT and vPvB assessment:**

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Endocrine disrupting properties:** Not Applicable

**12.7 Other adverse effects:** Not available

### Section 13. Disposal considerations

#### **13.1 Waste treatment methods:**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class(es):	Sub Risk:	14.4 Packing Group:
<b>UN Model Regulations</b>	UN1197	EXTRACTS, LIQUID	3	-	III
<b>IMDG</b>	UN1197	EXTRACTS, LIQUID	3	-	III
<b>ADR,RID,ADN</b>	UN1197	EXTRACTS, LIQUID	3	-	III
<b>ICAO TI</b>	UN1197	EXTRACTS, LIQUID	3	-	III

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**14.5 Environmental hazards:** Not environmentally hazardous for transport

**14.6 Special precautions for user:** None additional

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

### Section 15. Regulatory information

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

None additional

#### **15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out for this product.

### Section 16. Other information

**Concentration % Limits:** EDI 2=95.55%

**Total Fractional Values:** EDI 2=1.05

#### **Key to revisions:**

SECTION 3: Composition/information on ingredients

#### **Key to abbreviations:**

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Dermal Category 3
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 4	Acute Toxicity - Dermal Category 4
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Dam. 1	Eye Damage Category 1
Eye Irrit. 2	Eye Irritation Category 2
Flam. Liq. 2	Flammable Liquid, Hazard Category 2
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

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P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Irrit. 2	Skin Irritation Category 2
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.