

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

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

1.1 Product Identifier

Product identifier: BUTTER O/S FLAVOURING S40080(Contains:Butyric acid, Diacetyl)

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: Skin Irritation Category 2
Eye Damage Category 1
Sensitization - Skin Category 1
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.

2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements: H315, Causes skin irritation.
H317, May cause an allergic skin reaction.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

H318, Causes serious eye damage.

Supplemental Information: None

Precautionary statements:

P261, Avoid breathing vapour or dust.

P264, Wash hands and other contacted skin thoroughly after handling.

P272, Contaminated work clothing should not be allowed out of the workplace.

P280, Wear protective gloves/eye protection/face protection.

P302/352, IF ON SKIN: Wash with plenty of soap and water.

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.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P362, Take off contaminated clothing and wash before reuse.

P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



2.3 Other hazards

Other hazards: 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
Diacetyl	431-03-8	207-069-8		1-<5%	Flam. Liq. 2-Acute Tox. 4-Acute Tox. 3-Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-STOT RE 2; H225-H302-H315-H317-H318-H331-H373,-	inhalation: ATE = 3 mg/l (vapour)-oral: ATE = 1580 mg/kg bw
Butyric acid	107-92-6	203-532-3		1-<5%	Skin Corr. 1B;H314,-	oral: ATE = 1630 mg/kg bw

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

Acetic acid	64-19-7	200-580-7	01-2119475328-30-xxxx	0.1-<1%	Skin Corr. 1A;H314,-	Eye Dam. 1; H318; C ≥ 25%-Eye Irrit. 2; H319; C ≥ 10%-Skin Corr. 1; H314; C ≥ 25%-Skin Corr. 1A; H314; C ≥ 90%-Skin Corr. 1B; H314; C ≥ 25%-Skin Corr. 1C; H314; C ≥ 25%-Skin Irrit. 2; H315; C ≥ 10%
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Substances with Community workplace exposure limits:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
Acetic acid	64-19-7	200-580-7	01-2119475328-30-xxxx	0.1-<1%	Skin Corr. 1A;H314,-	Eye Dam. 1; H318; C ≥ 25%-Eye Irrit. 2; H319; C ≥ 10%-Skin Corr. 1; H314; C ≥ 25%-Skin Corr. 1A; H314; C ≥ 90%-Skin Corr. 1B; H314; C ≥ 25%-Skin Corr. 1C; H314; C ≥ 25%-Skin Irrit. 2; H315; C ≥ 10%
Diacetyl	431-03-8	207-069-8		1-<5%	Flam. Liq. 2-Acute Tox. 4-Acute Tox. 3-Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1-STOT RE 2; H225-H302-H315-H317-H318-H331-H373,-	inhalation: ATE = 3 mg/l (vapour)-oral: ATE = 1580 mg/kg bw

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: Wash with plenty of soap and water.
Ingestion:	Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

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. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

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.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

7.3 Specific end use(s):

Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits:

Ingredient	CAS	EC	Description	Value
Acetic acid	64-19-7	200-580-7	Long-term exposure limit (8-hour TWA) (ppm)	10
			Long-term exposure limit (8-hour TWA) (mg/m3)	25
			Short-term exposure limit (15-minute) (ppm)	20
			Short-term exposure limit (15-minute) (mg/m3)	50
Diacetyl	431-03-8	207-069-8	Long-term exposure limit (8-hour TWA) (ppm)	0.02
			Long-term exposure limit (8-hour TWA) (mg/m3)	0.07
			Short-term exposure limit (15-minute) (ppm)	0.1
			Short-term exposure limit (15-minute) (mg/m3)	0.36

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.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour:	A colourless to yellow coloured liquid.
Odour:	Typical of butter
Odour threshold:	Not determined
Melting point / freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	> 63 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	1.1351 - 1.1551
Relative vapour density:	Not determined
Particle characteristics:	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.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

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	Not Applicable
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Skin Irritation Category 2
Serious eye damage/irritation:	Eye Damage Category 1
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
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.
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
Butyric acid	107-92-6	203-532-3	1630	Not available	Not available	Not available
Diacetyl	431-03-8	207-069-8	1580	Not available	3	Vapour

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

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

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:
UN Model Regulations	Not classified	-	-	-	-
IMDG	Not classified	-	-	-	-
ADR,RID,ADN	Not classified	-	-	-	-
ICAO TI	Not classified	-	-	-	-

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 classified

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: SCI 2=30.45% EDI 1=47.65% EDI 2=15.85% SS 1=29.76%

Total Fractional Values: SCI 2=3.28 EDI 1=2.10 EDI 2=6.31 SS 1=3.36

Key to revisions:

Concentration % Limits

SECTION 3: Composition/information on ingredients

Total Fractional Values

Key to abbreviations:

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

Abbreviation	Meaning
Acute Tox. 3	Acute Toxicity - Inhalation Category 3
Acute Tox. 4	Acute Toxicity - Oral Category 4
Eye Dam. 1	Eye Damage Category 1
Flam. Liq. 2	Flammable Liquid, Hazard Category 2
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H373	May cause damage to organs (organs) through prolonged or repeated exposure (exposure route).
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.
P260	Do not breathe 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.
P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.
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.
P330	Rinse mouth.
P333/313	If skin irritation or rash occurs: 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.
P403/235	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 RE 2	Specific Target Organ Toxicity (Repeated Exposure) Category 2
Skin Corr. 1A	Skin Corrosion Category 1A



SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: BUTTER O/S FLAVOURING S40080

Version: 4

Skin Corr. 1B	Skin Corrosion Category 1B
Skin Irrit. 2	Skin Irritation Category 2
Skin Sens. 1	Sensitization - Skin Category 1

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.