

SAFETY DATA SHEET

In accordance with the criteria of Regulation No 1907/2006 (REACH) with further changes.

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

1.1 Product identifier:

Super Aromas **Butterscotch**
Product code: **SA-2020082**

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

Concentrated flavour mix, for flavouring food, according to the quality specification.
Uses advised against: other than above.

1.3 Details of the supplier of the safety data sheet:

Supplier: Sobucky Sp. z o.o. Sp.k.
Address: Tomasz Zana 11 A, 20-601 Lublin, Poland
Phone: (+48) 530 900 757
E-mail address of the person responsible for the information card: info@sobucky.com

1.4 Emergency telephone number:

112 (general emergency phone number)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture.

Classification according to 1272/2008/EC:
Product is not classified as hazardous to the environment or because of its physical properties.
Eye Irrit. 2 – eye irritation, category 2; H319.
Skin Sens. 1 - Skin sensitization, category 1; H317

2.2 Label elements.

Signal word: WARNING.

Pictogram:



Contains 2,3-butanedione.

Hazard Statements H-phrases:

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements P-phrases:

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

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

2.3 Other hazards.

This mixture does not meet the criteria for persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with Annex XIII. This mixture and its ingredients are not included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, and they are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. e. This mixture does not contain "Substances of Very High Concern" on the list published by the European Chemicals Agency (ECHA) pursuant to Art. 57 of the REACH regulation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
3.1 Substances.

Not applicable.

3.2 Mixtures.

Hazardous components:

Component	CAS No.	EINECS No.	w/w %	Index No. / REACH No.	Classification according to the Regulation (EC) No. 1272/2008
Propylene glycol	57-55-6	200-338-0	< 89,0	none/01-119456809-23-XXXX	not classified
Ethyl lactate	97-64-3	202-598-0	1,0-2,5	607-129-00-7/ 01-2120809949-37-XXXX	Flam Liq. 3, H226; Eye Dam. 1, H318; STOT SE 3, H335
2,3-butanedione	431-03-8	207-069-8	1,0-2,5	none/not applicable	Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H318; Acute Tox. 4, H302; LD50=1580 mg/kg b.w. Acute Tox. 3, H331, ATE=0,5 mg/l STOT RE 2, H373
Vanillin	121-33-5	204-465-2	1,0-2,5	none/not applicable.	Eye Irrit. 2, H319
Maltol	118-71-8	204-271-8	1,0-2,5	none/not applicable.	Acute Tox. 4, H302 LD50=1440 mg/kg

Full text of H - phrases in section 16.

SECTION 4: FIRST AID MEASURES

The usual precautions for handling chemicals should be applied. In case of any symptoms of concern – call medical help. NEVER induce vomiting in an unconscious person.

4.1 Description of first aid measures.

INHALATION:	Remove from exposure to fresh air immediately. In case of lack of breathing, apply artificial respiration. Get medical aid if cough, allergy or other symptoms appear.
SKIN CONTACT:	Wash with water and soap. Remove contaminated clothes. If irritation or allergy persists or any tissue damage effect is apparent, obtain medical advice.
INGESTION:	If swallowed accidentally, do not induce vomiting. Rinse mouth with water. Provide conditions for rest. Obtain medical attention. If needed show the label of the product.
EYE CONTACT:	Remove contact lenses, if present. Immediately wash out with plenty of water for at least 15 minutes, also under the eyelids. If irritation persists consult with an ophthalmologist.

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

If the mixture comes into contact with the skin, irritation and redness are possible. In case of contact with eyes, irritation is possible. If swallowed, irritation of the mucous membranes of the gastrointestinal tract may occur, resulting in nausea and vomiting.

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media.

Extinguishing media:	Foam, carbon dioxide or dry agent, water mist.
Inadvisable:	Direct water jet.

5.2 Special hazards arising from the substance or mixture.

Fire may produce dense black smoke containing carbon monoxide and carbon dioxide. Combustion products can be hazardous and pose a health risk. Use respiratory protection. Do not inhale smoke.

5.3 Advice for firefighters.

Special protective equipment for firefighters: coveralls, eye and face protection equipment and breathing apparatus. Wear suitable respiratory equipment. Do not allow extinguishing agent to enter drainage ditches, sewers, basements and trenches. If it is possible without endangering life or health of rescuers - containers containing the product should be removed from the area at risk of fire. Note: do not remove tanks exposed to fire or high temperature, cool them with water from a safe distance to avoid pressure build-up, spontaneous ignition or explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

For non-emergency personnel:

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid contact with spilled material. Danger of slipping, do not pass through spilled material. Wear adequate personal protective equipment. Do not allow the product to get into mouth. Remove all sources of ignition; disconnect from the power supply any devices near the leak; do not smoke. Do not inhale vapours or spray.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8.

Suitable and unsuitable materials See Section 10.5. See also the information in "For non-emergency personnel".

6.2 Environmental precautions.

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services. Do not allow the product to reach the sewage system, surface waters, groundwater and soil, cellars/pits.

6.3 Methods and material for containment and cleaning up.

Soak up with liquid-binding material (e.g. sand, universal binding agent, diatomaceous earth). Collect spilled material in containers. Disposal in accordance with the local legislation. Clean the contaminated place with detergents.

6.4 References to other sections.

Always use personal protection in accordance with the guidelines given in section 8. Collect the collected liquid - together with contaminated sorbents, sand and other equipment used to clean up the spill - dispose of in accordance with the recommendations given in section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling.

Handle in accordance with good occupational hygiene and safety practices. Avoid contact with skin and eyes. Do not inhale vapours. Ensure adequate ventilation. Before break and after work wash carefully hands. Keep not used containers tightly closed. Opened packages should be closed carefully and stored in an upright position. Do not allow the product to get into mouth and eyes. Remove contaminated clothing and wash it before reuse. Protect against access by unauthorized personnel. Personal protective equipment - see section 8. Do not smoke, eat or drink in rooms where the mixture is used.

7.2 Conditions of safe storage, including any incompatibilities.

Keep containers tightly closed in a dry and well-ventilated area. The floor must be impervious and form a collecting basin so that in the event of an accidental spillage, the liquid cannot get out of this area. Keep away from food, beverages or feed for animals. Keep away from strong oxidizing agents, concentrated acids and bases. After opening store in packaging made of the same material as the original. Avoid heat and ignition sources. Keep away from direct sunlight. Store at 5-25 °C.

7.3 Specific end use(s).

No information about the applications other than those listed in subsection 1.2.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters.

Component	CAS	TWA (ppm or mg/m ³)	STEL (ppm or mg/m ³)
Propylene glycol	57-55-6	10 mg/m ³	not applicable

Please check any national occupational exposure limit values in your country for substance contained in this product.

8.2 Exposure controls.



Control procedure: The personal protective equipment used should be clean and in good condition. Store personal protective equipment in a clean place away from the work area. Do not eat, drink or smoke when using. Remove contaminated clothing and wash it before reuse. Ensure the right one ventilation, especially in enclosed spaces.

Respiratory protection: Under normal use respirator is not required. However, if applied under circumstances where a mist is likely to appear handle using a fume cupboard or use engineering control system allowing an exhausted air to be mechanically removed from the working area.

Personal protection: Precautions to avoid contact with skin and eyes are advisable when handling the product.

Hand protection: Use appropriate protective gloves in case of prolonged or repeated skin contact. Use appropriate chemical protective gloves in accordance with EN ISO 374-1. The selection of gloves depends on the application and the length of their use at the workstation. Protective gloves should be selected depending on the workstation, taking into account: other chemicals that may be used, necessary protection against physical threats (cutting, puncturing, thermal protection), required ease of manipulation. Type of recommended gloves: - Nitrile rubber (butadiene/acrylonitrile copolymer (NBR)).

Eye protection: Avoid contact with eyes. Wear eye protection designed to protect against liquid splashes. Before each use, wear protective glasses in accordance with the PN-EN 166 standard.

Industrial hygiene Change contaminated clothing. Wash hands after work with the product.

Environmental exposure controls: Do not allow the mixture to contaminate surface water/ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Appearance:	liquid
Colour	yellow
Odour:	toffy, butter, cream
pH value:	4,7
Boiling point:	> 35 °C
Flash point:	75 °C /the closed-cup method/
Relative density:	1,04-1,07 (at 20 °C)
Viscosity:	No data
Solubility in water:	Yes
Melting point/freezing point:	No data
Flammability:	Not applies

Lower and upper explosion limit:	17,4 %/2,4 % (for propylene glycol)
Auto-ignition temperature:	no data
Decomposition temperature:	does not apply
Kinematic viscosity:	no data
Partition coefficient n-octanol/water (log value):	does not apply
Vapour pressure:	20 Pa (for propylene glycol)
Relative vapour density:	no data
Particle characteristics:	does not apply

9.2 Other information.

Lack of other information.

SECTION 10: STABILITY AND I REACTIVITY

10.1 Reactivity.

The mixture is chemically stable and does not pose a risk of reactivity.

10.2 Chemical stability.

When properly stored, the mixture is chemically stable.

10.3 Possibility of hazardous reactions.

When exposed to high temperatures, the mixture may release hazardous decomposition products, such as carbon monoxide and dioxide, fumes, nitrogen oxide.

10.4 Conditions to avoid.

Keep the product away from sources of heat and ignition.

10.5 Incompatible materials.

Chemically stable product, no incompatible materials found. It is recommended to store the product in its original packaging.

10.6 Hazardous decomposition products.

The thermal decomposition may release / form the following products: - carbon monoxide (CO) - carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity:	Does not meet the classification criteria.
Skin corrosive/Irritating effect:	Does not meet the classification criteria.
Eye damage/irritation effect:	Cause serious eye irritation.
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Mutagenic effects:	Does not meet the classification criteria.
Carcinogenicity:	Does not meet the classification criteria.
Effects on reproduction:	Does not meet the classification criteria.
STOT-single exposure:	Does not meet the classification criteria.
STOT-repeated exposure:	Does not meet the classification criteria.
Aspiration hazard:	Does not meet the classification criteria.

Toxicological properties of hazardous substances in the mixture:

2,3-butanedione: oral-LD50=1580 mg/kg b.w./ inhalation-ATE=0,5 mg/l

Maltol: oral-LD50=1440 mg/kg

Eyes: Causes irritation. Skin: Possible irritation and redness on contact behind the skin. Ingestion: Possible irritation of the gastrointestinal mucosa with nausea and vomiting.

11.2 Information on other hazards.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity.**

This mixture has not been tested. Based on the available information on ingredients, the mixture was not classified as hazardous to the environment.

12.2 Persistence and degradability.

Propylene glycol: 81% after 28 days of the OECD 301F test; 96% after 64 days of the OECD 301F test. Biodegradation may proceed slowly in anaerobic conditions. Biodegradation in water - screening tests: Readily biodegradable (100 %).

12.3 Bioaccumulative potential.

There are no bioaccumulation data available for the mixture.

Propylene Glycol: Possibility of bioconcentration is low (BCF <100 or log Pow <3) breakdown factor, n-octanol/water (log Pow): -1.07 @ 20.5 °C and pH 6.2 - 6.4 method EU A.8 Bioconcentration factor: 0,09.

Bioaccumulation potential: No bioaccumulation potential.

12.4 Mobility in soil.

Product mobile in soil and in water. Mobility of components in the mixture depends on the hydrophilic and hydrophobic properties and conditions of biotic and abiotic soil, including its structure, climatic conditions, seasons and soil organisms.

12.5 Results of PBT and vPvB assessment.

Does not meet the criteria for PBT and vPvB.

12.6 Endocrine disrupting properties.

Does not meet the criteria for endocrine disrupting properties.

12.7 Other adverse effects.

This product has no influence on the global warming or the ozone layer depletion.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods.

Product: Do not empty into drains. This material and its container must be disposed of in a safe way. Disposal should be in accordance with local, state or national legislation. Do not pour the mixture into the sewage system. In order to remove used packaging and waste mixture, contact an authorized waste disposal company. Proper waste management of the mixture and/or container should be determined in accordance with the provisions of Directive 2008/98/EC.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number.

Not applicable.

14.2 UN proper shipping name.

Not applicable.

14.3 Transport hazard class(es).

Not applicable.

14.4 Packing group.

Not applicable.

14.5 Environmental hazards.

Does not meet the criteria.

14.6 Special precautions for user.

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments.

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of dangerous goods according to the European Agreement concerning the international carriage of goods by road hazardous (ADR). European directive on waste.

The mixture does not contain any substance subject to restriction according to Annex XVII to Regulation (EC) No 1907/2006. The mixture does not contain a substance subject to Regulation (EU) 2019/1148 in the handling of the marketing and use of explosives precursors.

15.2. Chemical safety assessment.

Chemical safety assessment was not performed for this mixture.

SECTION 16: OTHER INFORMATION

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulations. The information contained herewith is based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It does not guarantee any specific properties. It does not assure any safe conditions of work if used out of line of normal handling or inconsistently with normal ways of application and occupational practices.

Classification according to Regulation (EC) No. 1272/2008	Classification procedure
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1, H317	Calculation method

Version: 1.0

STEL : Short-term exposure limit

TWA : Time Weighted Averages

PBT: Persistent, Bioaccumulative and Toxic.

vPvB : Very persistent and very bioaccumulative.

SVHC : Substances of Very High Concern.

LD50 : Dose of the test substance causing 50% mortality in a given period of time.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate.

BW : Body weight.

Hazard Statement Code(s)

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H315 Causes skin irritation.

H226 Flammable liquid and vapour.

H335 May cause respiratory irritation.

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H331 Toxic if inhaled.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.