

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 **Brown leaves**
Product code: **SA-2022238/MBS**

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

Relevant identified uses: 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: Tomasza 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 of the mixture in accordance with Regulation (EC) No. 1272/2008:
Skin Sens. 1 - Skin sensitization, category 1; H317

The mixture is not classified as hazardous to the environment and because of its physical properties.

2.2 Label elements.

Signal word:
WARNING.

Pictogram:



Contains methylcyclopentenolone.

Hazard Statements H-phrases:

H317 May cause an allergic skin reaction.

Precautionary statements P-phrases:

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

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

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. Mixture does not contain SVHC substances $\geq 0,1\%$.

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	200-33-0	< 91,0	none/not applicable	not classified
Ethyl maltol	4940-11-8	225-582-5	< 6,0	none/not applicable	Acute Tox. 4, H302 LD50=1200 mg/kg b.w.
Methylcyclopentenolone	123-68-2	204-642-4	< 2,75	none/not applicable	Acute Tox. 4, H302 LD50=1067 mg/kg b.w. Skin Sens. 1, H317

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. Remove the victim from the danger zone. Show the attached Material Safety Data Sheet to the physician. Do not leave the injured person unattended.

4.1 Description of first aid measures.

INHALATION:	Remove to fresh air. Seek medical advice if symptoms of an allergic reaction occur. Keep unconscious person in a comfortable position and seek medical advice.
SKIN CONTACT:	Remove contaminated shoes and clothing immediately. Wash with water and soap. Seek medical advice if symptoms of an allergic reaction occur.
INGESTION:	In case of swallowing, if the amount is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Provide conditions for rest. Do not induce vomiting. Seek medical advice - show the label. In case of accidental ingestion, contact a physician to assess the need for follow-up and further symptomatic treatment hospital conditions.
EYE CONTACT:	Remove contact lenses (glass) if possible. Protect the uninjured eye. 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: Powder, carbon dioxide, foam, water spray. Use dispersed water to protect fire-exposed containers.

Inadvisable: Direct water jet.

5.2 Special hazards arising from the substance or mixture.

A fire often produces thick, black smoke. Exposure to decomposition products may be hazardous to health. Do not inhale smoke. Use respiratory protection. The following combustion products may be produced:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3 Advice for firefighters.

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.

Special protective equipment for firefighters: coveralls, eye and face protection equipment and breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

Recommendations related to accidental leakage or release of the mixture:

- Put on appropriate personal protective equipment as described in section 8. Suitable material for the protective clothing - polypropylene, polyethylene. Unsuitable material - elan wool, cotton.
- Remove all sources of ignition; disconnect from the power supply any devices near the leak; do not smoke tobacco.
- Do not inhale vapours or spray.
- Provide adequate ventilation, as specified in each particular workplace.

6.2 Environmental precautions.

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.

- Cover the released mixture with non-flammable material absorbing liquids (e.g. sand, earth or sorbent) and collect mechanically (with a shovel) to marked waste containers.
- In order to limit leakage, use absorbent hoses/sleeves/mats or cover the spill with a sand/sorbent shaft.

- Use special magnetic plates to protect the sewage openings.
- In the event of a significant leak, notify the Fire Brigade (p. 112), the nearest local authorities, and, if necessary, the nearest Chemical Rescue Unit.

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. Do not allow the product to get into mouth and eyes. Do not smoke.

Fire prevention:

Use in well-ventilated rooms. Protect against access by unauthorized personnel.

Recommended equipment and procedures:

Personal protective equipment: see section 8. Do not eat, drink or smoke in the application area. Dispose of wash water in accordance with local and national regulations. Persons who are prone to problems related to skin sensitization or asthma, allergies, chronic or recurrent respiratory diseases should not be employed in any operation involving this mixture. Use standard fire protection measures.

7.2 Conditions of safe storage, including any incompatibilities.

Keep containers tightly closed in cool, dry and well-ventilated area. Keep away from food, beverages or feed for animals. After opening, seal the container and store in an upright position to prevent leakage. Keep away from strong oxidizing agents, concentrated acids and bases. Prevent access by unauthorized persons. Avoid heat and ignition sources. Keep away from direct sunlight. Tightly seal unused container. Store at 5-25 °C. The floor must be impermeable and form a collecting basin so that in the event of an accidental spill, the liquid cannot escape beyond this area.

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 verify your national limits according to national regulations.

8.2 Exposure controls.

Pictogram regarding the obligation to use personal protective equipment (PPE):



Use the product in accordance with good occupational hygiene and safety practices. Ensure adequate ventilation. When handling do not eat, drink or smoke. Before break and after work carefully wash hands. In the vicinity of the work should be installed safety showers and separate washer eyewash. At the exit of the room in which you are working with toxic materials should be at least one sink with brought to the warm water - for every twenty employees.

Hand and body protection:

Avoid skin contamination. Wear appropriate protective clothing. Type of suitable protective clothing: In case of heavy splashes, use protective clothing against liquid chemicals, with joints impermeable to liquid liquids (type 3), compliant with standard EN14605/A1, to avoid any contact with skin. If there is a risk of splashes, wear clothing providing limited protection against liquid chemicals (type 6) in accordance with EN13034/A1 to avoid any contact with skin. Type of suitable safety boots: In case of light splashes, wear knee-high or mid-calf boots that protect against chemicals and comply with the standard EN13832-2. In case of prolonged contact, wear knee-high or mid-calf boots with a waterproof sole and upper that is resistant to liquid chemicals, compliant with EN13832-3. Staff needs to wear work clothes that are washed regularly. After contact with the product, wash all contaminated body parts.

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 work station, taking into account: other chemicals that may be used, necessary protection against physical threats (cutting, puncture, thermal protection), required ease of manipulation. Type of recommended gloves: - Nitrile rubber (butadiene/acrylonitrile copolymer (NBR))

Eye/face protection:

Avoid contact with eyes. Wear eye protection designed to protect against liquid splashes. Before each use, wear safety glasses with side shields in accordance with the PN-EN 166 standard. In case of increased risk, use a face shield. Prescription glasses do not provide protection. Contact lens users are advised to wear corrective lenses when working where they may be exposed to irritating fumes. Rooms where the product is used continuously should be equipped with eye washers.

Respiratory protection:

In case of normal and as intended use, no respirator is needed. If exposure limits are exceeded, apply face mask with appropriate organic vapour cartridge (EN 143) filter P2.

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:	tobacco
Melting point/freezing point:	> 35 °C
Boiling point or initial boiling point and boiling range	no data
Flammability:	not flammable
Lower and upper explosion limit:	no data
Flash point:	> 60 °C
Auto-ignition temperature:	no data
Decomposition temperature:	does not apply
pH value:	no data
Kinematic viscosity:	no data

Solubility in water:	soluble
Partition coefficient n-octanol/water (log value):	does not apply
Vapour pressure:	no data
Density and/or relative density:	1,05 g/cm ³ (20 °C)
Relative vapour density:	no data
Particle characteristics:	does not apply

9.2 Other information.

Lack of other information.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity.**

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

10.2 Chemical stability.

This mixture is stable under the storage and handling conditions recommended in Section 7.

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.

Heat, flames and sparks.

10.5 Incompatible materials.

Chemically stable product, no incompatible materials found. It is recommended to store the product in its original packaging. It is recommended to keep away from strong oxidizing agents, concentrated acids and bases.

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:	Based on the available data, the classification criteria are not met.
Skin corrosion / irritation:	Based on the available data, the classification criteria are not met.
Serious eye damage / irritation:	Based on the available data, the classification criteria are not met.
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Based on the available data, the classification criteria are not met.
Carcinogenicity:	Based on the available data, the classification criteria are not met.
Reproductive toxicity:	Based on the available data, the classification criteria are not met.
Specific target organ toxicity - single exposure:	Based on the available data, the classification criteria are not met.
STOT-repeated exposure:	Based on the available data, the classification criteria are not met.
Aspiration hazard:	Based on the available data, the classification criteria are not met.

Toxicological properties of hazardous substances in the mixture:

Ethyl maltol:

Oral LD50=1200 mg/kg b.w.

Methylcyclopentenolone:

Oral LD50=1067 mg/kg b.w.

Local action of the mixture: Eyes: Possible 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.

CIRC (International Center for Research on Cancer) monograph(s):

CAS 123-35-3 : IARC Group 2B : Possibly carcinogenic to humans.

CAS 89-82-7 : IARC Group 2B : Possibly carcinogenic to humans.

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.

Content of the toxic component after using the calculation method is below the limit level. The criteria for environmental toxicity are not met.

12.2 Persistence and degradability.

No data on environmental degradation by biodegradation or other processes are available for the mixture.

12.3 Bioaccumulative potential.

No bioaccumulation data are available for the mixture.

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.

The substances in the mixture do not meet the criteria for classification as PBT or vPvB in accordance with Annex XIII REACH.

12.6 Endocrine disrupting properties.

Product not identified as having endocrine disrupting properties.

12.7 Other adverse effects.

This product has no influence on the global warming or the ozone layer depletion. Consider other harmful effects of the individual components of the mixture on the environment (e.g. impact on the growth of global warming).

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods.

Proper waste management of the mixture and/or container should be determined in accordance with the provisions of Directive 2008/98/EC. Do not pour into drains and waterways. Waste management should be carried out without posing a threat to human health and without posing a threat to the environment, in particular to water, air, soil, fauna and flora. Recycle or dispose of in accordance with applicable regulations by a licensed waste treatment company. Do not pollute the soil or water with waste, do not dispose of it in the environment. Dirty packaging: Empty the container completely. Keep the label(s) on the container. Hand over to a licensed waste treatment company.

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.

Not applicable.

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

Version:

1.0 first version

TWA Time Weighted Average

PEL Permissible exposure limit

TLV-C Threshold limit value- Ceiling Limit

STEL Short-term exposure limit

PBT Persistent, Bioaccumulative and Toxic substance

vPvB very Persistent, very Bioaccumulative substance

CAS Chemical Abstract Service

EC No. is a unique seven-digit identifier that is assigned to chemical substances for regulatory purposes within the European Union by the regulatory authorities.

LD50 lethal dose, the point where 50% of test subjects exposed would die UN number is four-digit number that identify hazardous substances

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
Skin Sens. 1, H317	Calculation method

Hazard Statement Code(s)

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H302 Harmful if swallowed.