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.

Sweetener Blend SB-65

Mixture based on propylene glycol.

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

Relevant identified uses: Manufacture of mixtures

Uses advised against: not determined

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

Supplier: **CHEMNOVATIC Sp. z o.o. Sp. k.**

Address: Dobrzańskiego 3/BS002, 20-262 Lublin, POLAND

Phone: +48 814754442

E-mail address of the person responsible for the information card: office@chemnovatic.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

This product is not classified as a hazard to human health and the environment.

2.2. Label elements

Classification according to 1272/2008/EC

Hazard symbols and signal words

Not applicable.

Hazard statements

Not applicable.

Precautionary statements

Not applicable.

2.3. Other hazards

Mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

Section 3: Composition/Information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

No.	Chemical name	Percentage	CAS	EC (EINECS)	Index No./ REACH Registration No.	Classification according to 1272/2008/EC
1.	Propylene glycol	90-95 %	57-55-6	200-338-0	none/ 01-2119456809-23-XXXX	Not classified
2.	Ethyl maltol	1-5 %	4940-11-8	225-582-5	None/ not applicable	Acute Tox. 4 H302

Full text of H - phrases in section 16.

Section 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures.

General advice

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Wash out with plenty of water with the eyelid hold wide open, for 10-15 min. Remove any contact lenses. Avoid strong stream of water-risk of cornea damage. Seek medical advice if necessary.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in Section 2.2 (label elements) and/or in Section 11.

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.

Suitable extinguishing media: water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: water jet - risk of the propagation of the flame.

5.2. Special hazards arising from the substance or mixture.

During fire, dangerous vapors and gases may be formed, including carbon monoxide, hydrogen chloride.

5.3. Advice for firefighters.

Use gas-tight protective clothing and an individual apparatus for breathing. Do not let water after extinguishing a fire into surface or ground waters.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

Consult the safety measures listed under headings 7 and 8. Avoid creating mist; do not inhale mist.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up.

Carefully collect dry material to the labeled packaging, transfer for disposal. Clean the polluted area.

6.4. References to other sections.

Appropriate conduct with waste product - see section 13. Personal protective equipment - see section 8.

Section 7: Handling and storage

7.1. Precautions for safe handling.

Avoid contact with the substance, avoid inhaling and raising mist, observe rules of personal hygiene, use clothing and protective equipment (dust mask, gloves and safety glasses), work in well-ventilated rooms. Do not eat or drink while using. Do not eat or drink while using.

Fire prevention:

Handle in well-ventilated areas. Prevent access by unauthorized personnel.

Recommended equipment and procedures:

For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations. Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities.

Storage

Store the substance in tightly closed containers in a dry, cool and well-ventilated place. Avoid strong heating, direct sunlight.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s).

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

Section 8: Exposure control/personal protection

8.1. Control parameters.

Specification	STEL 15 min	TWA 8 hour
Propylene glycol [CAS 57-55-6]	-	10 mg/m^3

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

8.2. Exposure controls.

Use the product in accordance with good occupational hygiene and safety practices. Ensure adequate ventilation. When handlings 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

Wear the protective gloves (long-term exposure - butyl rubber, thickness: 0,3 mm, penetration time: >480 min., short-term exposure: nitrile rubber, thickness: 0,4 mm, penetration time: >30 min.) and protective clothing.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes

depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eye/face protection

Wear tight safety glasses when there is a danger of possible eye contamination (EN166).

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.

a) physical state:	liquid
b) colour:	colorless
c) odour:	sweet
d) melting point/freezing point:	no data available
e) boiling point or initial boiling point and boiling range:	no data available
f) flammability:	non-inflammable
g) lower and upper explosion limit:	2,4 % / 17,4 % (for propylene glycol)
h) flash point:	not applicable
i) auto-ignition temperature:	not applicable
j) decomposition temperature:	no data available
k) pH:	6,4 – 6,6
l) kinematic viscosity:	no data available
m) solubility:	soluble in water
n) partition coefficient n-octanol/water (log value):	no data available
o) vapour pressure:	20 Pa (for propylene glycol, in 25 °C)
p) density and/or relative density:	1,037 g/cm^3
q) relative vapour density:	no data available
r) particle characteristcs:	no data available

9.2. Other information.

No additional test results.

Section 10: Stability and reactivity

10.1. Reactivity.

No data available.

10.2. Chemical stability.

The product is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions.

No data available.

10.4. Conditions to avoid.

Avoid strong heating, direct sunlight.

10.5. Incompatible materials.

No data available.

10.6. Hazardous decomposition products.

No data available.

Section 11: Toxicological information

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

a) Acute toxicity

ATEmix (skin): >2000 mg/kg (No classification)
ATEmix (oral): >2000 mg/kg (No classification)
ATEmix (inhalation): >5 mg/l (No classification)
Based on available data, the classification criteria are not met.

b) Skin corrosion/irritation

Based on available data, the classification criteria are not met.

c) Serious eye damage/irritation

Based on available data, the classification criteria are not met.

d) Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

e) Germ cell mutagenicity

Based on available data, the classification criteria are not met.

f) Carcinogenicity

IARC: 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.

g) Reproductive toxicity

Based on available data, the classification criteria are not met.

h) STOT-single exposure

Based on available data, the classification criteria are not met.

i) STOT-repeated exposure

Based on available data, the classification criteria are not met.

j) Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards.

No data available.

Section 12: Ecological Information

12.1. Toxicity.

Based on available data, the classification criteria are not met.

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.

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.

No data available.

12.6. Endocrine disrupting properties.

No data available.

12.7. Other adverse effects.

No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods.

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

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

Use personal protective equipment in accordance with section 8 when handling.

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 or 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).

15.2. Chemical safety assessment.

There is no data concerning chemical safety assessment performed for this mixture.

Section 16: Other Information.

Changes

The update concerns general information about the product and its properties.

Additional information

a) legend to abbreviations and acronyms used in the safety data sheet

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
LC50	lethal concentraction, the point where 50% of test subjects exposed would die
EC50	half maximal effective concentration
UN number	is four-digit number that identify hazardous substances
ATEmix	Acute Toxicity Estimates for mixture
PEB	permitted exposure for a biological material

b) list of relevant H phrases, hazard statements, safety phrases and/or precautionary statements- full text

H302 Harmful if swallowed

c) trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

d) other data

Classification was made on the basis of data on hazardous substances calculation method based on the guidelines of Regulation 1272/2008/EC (CLP).

The above information is prepared on the basis of current state of knowledge and relates to the product in the form in which it is used. Data relating to the product are presented in order to include safety requirements, and not to guarantee their particular properties.

In the event when conditions of application of the product are beyond control of the manufacturer, responsibility for safe use of the product is borne by the user.

The Employer is obligated to inform all employees who have contact with the product, about hazards and personal protection equipment specified in this material safety data sheet.

This material safety data sheet has been prepared on the basis of MSDS provided by the manufacturer and/or web databases and the binding regulations regarding hazardous substances and chemical agents.

The product is classified as hazardous. EXPOSURE SCENARIOS are not required.