

[In accordance with the criteria of Regulation No 1907/2006 (REACH) and 453/2010]

Section 1: Identification of the substance/mixture and of the company

1.1. Product identifier.

Product name: **CAMMELLO**

Product code: B-IA-001087

1.2. Significant identified application of substances or mixture and dissuaded application.

Relevant identified uses: production of mixtures (liquid component, e-liquids for electronic cigarettes).

Uses advised against: not determined

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

Supplier: **CHEMNOVATIC ŁAWECKI GĘCA SPÓŁKA JAWNA**

Address: The Building of Lublin Science and Technology Park
ul. Dobrzańskiego 3, lok. BS002, 20-262 Lublin, Poland

Phone: +48 814754442

E-mail address of the person responsible for the information card: info@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 67/548/EEC, 1999/45/EC and their amendments

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

No labelling requirements for this mixture.

2.3. Other hazards

The mixture does not contain substances classified as "Substances of Very High Concern" (SVHC) \geq 0.1% published by the European

Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/en/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Section 3: Composition/Information on ingredients

3.1 Substances

Not applicable

3.2 Mixture

Composition:



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Identification	(EC) 1272/2008	Note
CAS: 57-55-6 EC: 200-338-0 PROPYLENE GLYCOL		[1]
CAS: 4940-11-8 EC: 225-582-5 ETHYL MALTOL	GHS07; Wng; Acute Tox. 4, H302	

Information ingredients:

[1] Substance for which maximum workplace exposure limits are available

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.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

4.2. Most important acute and delayed symptoms and effects of exposure.

No data available.

4.3. Indications concerning any immediate medical aid and special handling of the casualty.

No data available.

Section 5: Firefighting measures

Non-flammable.

5.1. Extinguishing media.

Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use:

- water jet

5.2. Specific hazards associated with substance or mixture.

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

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Do not breathe in smoke.

In the event of a fire, the following may be formed:

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

5.3. Information for the fire brigade.

No data available.

Section 6: Procedure in the case of unintended release to the environment

6.1. Personal precautions, protective equipment and emergency procedures.

Consult the safety measures listed under headings 7 and 8.

For first aid worker

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

6.2. Safety precautions with regard to environmental protection.

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and materials preventing the spread of contamination and used for removal of contamination.

Clean preferably with a detergent, do not use solvents.

6.4. References to other sections.

No data available.

Section 7: Handling of substances and mixtures and storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling.

Always wash hands after handling.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised 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 of safe storage, together with the information related to any mutual inconsistencies.

No data available.

Storage

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.



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Packaging

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

7.3. Specific final application.

No data available.

Section 8: Exposure control/personal protection equipment

8.1. Parameters concerning control.

No data available.

- UK / WEL (Workplace exposure limits, EH40/2005, 2007):

Specification	TWA	STEL	Ceiling	Definition	Criteria
CAS 57-55-6	150 ppm	-	-	-	-

8.2. Exposure controls.

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended:

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties.

General information:

Physical state: Viscous liquid.

Important health, safety and environmental information

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pH:	Not relevant.
Boiling point/boiling range:	Not relevant.
Flash point:	> 100,00°C
Vapour pressure (50°C):	Not relevant.
Density:	> 1
Water solubility:	Soluble.
Melting point/melting range:	Not relevant.
Self-ignition temperature:	Not relevant.
Decomposition point/decomposition range:	Not relevant.

9.2. Other information.

No data available.

Section 10: Stability and reactivity

10.1. Reactivity.

No data available.

10.2. Chemical stability.

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

10.3. Possibility of hazardous reactions.

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

10.4. Circumstances to be avoided.

No data available.

10.5. Incompatible materials.

No data available.

10.6. Hazardous decomposition products.

The thermal decomposition may release/form:

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

Section 11: Toxicological information

11.1 Information on toxicological effects.

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

No toxicological data available for the substances

11.1.2. Mixture

No toxicological data available for the mixture.

Section 12: Ecological Information

12.1. Toxicity.

12.1.2 Mixtures

No aquatic toxicity data available for the mixture

12.2. Persistence and degradability.

No data available

12.3. Ability to bioaccumulate.

No data available

12.4. Mobility in the soil.

No data available.

12.5. Results of assessment of properties PBT and vPvB.

No data available.

12.6. Other harmful effects of the action.

No data available.

Section 13: Manner of waste disposal

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

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

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

Section 15: Regulatory Information.

15.1. Legal regulations related to safety, health and environmental protection principles specific for the substance and mixture.

Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 618/2012

Container information:

No data available.

Particular provisions:

No data available.

15.2. Assessment of chemical safety.

No data available.

Section 16: Other Information.

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

WGK: Wassergefahrdungsklasse (Water Hazard Class)

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.

Other data

Classification was made on the basis of data on hazardous substances calculation method based on the guidelines of the Minister of Health of 10 August 2012 on the criteria and classification of chemical substances and mixtures (OJ 2012.1018) and Regulation 1272/2008/EC (CLP).

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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 not classified as hazardous. EXPOSURE SCENARIOS are not required.