

SAFETY DATA SHEET

[In accordance with the criteria of article 31 of Regulation No 1907/2006 (REACH) with further changes]

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

1.1. Product identifier.

Product name: **NATURAL TOBACCO EXTRACT**

Product code: C-AS-001002

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

Relevant identified uses: Manufacture of substances and mixtures

Uses advised against: not determined

1.3. Data 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

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

2.2. Label elements

Not applicable.

2.3. Other hazards

No information available.

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	97,5 – 99 %	57-55-6	200-338-0	none/ 01-2119456809-23-XXXX	Not classified

Full text of H - phrases in section 16.

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Section 4: First aid measures

4.1. Description of first aid measures.

General information: first aid person should take care of his own safety first.

Instantly remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest provide CPR. Show this safety data sheet to the doctor in attendance.

After inhalation: In case of unconsciousness bring patient into stable side position for transport.

After skin contact: Instantly wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing: Do not induce vomiting; instantly call for medical help.

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

Dizziness and headache, agitation, vomiting, convulsions, collapse, respiratory arrest..

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

Symptomatic treatment.

Section 5: Firefighting measures

Non-flammable.

5.1. Extinguishing media.

Suitable methods of extinction

- Foam, extinguishing powder, water spray, carbon dioxide

Unsuitable methods of extinction

- Direct full water jet

5.2. Special hazards arising from the substance or mixture.

- In case of fire, carbon oxides may be formed: nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂).

5.3. Advice for firefighters.

In case of fire, wear self-contained breathing apparatus pressure-demand, and full protective gear.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

Evacuate workers to a safe place. Ensure adequate ventilation. Avoid inhaling vapor, mist, spray. Use complete suit protecting against chemicals. In case of the possibility of uncontrolled release, use breathing apparatus.

6.2. Environmental precautions.

Avoid release to the environment, groundwater. Collect spillage. Should not be released into environment. Prevent from reaching into drains, sewer, or waterway.

6.3. Methods and material for containment and cleaning up.

Wear personal protective equipment refer to Section 8. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

6.4. References to other sections.

Personal protection – Section 8

Disposal – Section 13

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Section 7: Handling and storage

7.1. Precautions for safe handling.

For personal protection refer Section 8. Avoid contact with skin, eyes and clothing. Avoid inhaling vapor, mist, spray. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. After handling wash hands with plenty of soap and water.

7.2. Conditions for safe storage, including any incompatibilities.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s).

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8: Exposure control/personal protection

8.1. Control parameters.

No data available.

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

Specification	TWA	STEL	Ceiling	Definition	Criteria
CAS 57-55-6	150 ppm 474 mg/m ³	-	-	-	-

8.2. Exposure controls.

8.2.1. Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. After handling wash hands with plenty of soap and water. Do not eat, drink or smoke when using this product. In case of inadequate ventilation, use individual respiratory protection.

8.2.2. Individual protection measures, such as personal protective equipment

Eye and face protection

Face shield and safety goggles. Use equipment for eye protection tested and approved according EN 166(EU).

- After each use, clean the face shield or goggles and leave in the right conditions.

Skin protection

Hand protection

Handle with gloves. Gloves must be inspected before of use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Wash and dry hands.

Gloves must be tested and approved according Directive 89/686/EEC and EN 374 derived from it.

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Regular inspections of personal protective equipment should be carried out.

8.2.3. Environmental exposure controls

Dispose of unused substance in authorized units.

Dispose of empty packaging in authorized units.

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Prevent the substance entering the sewage system, prevent contamination of soil and groundwater. Prevent further leakage or spillage if safe to do so. Do not let product enter drains and ground water.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties.

appearance	liquid, yellowish to brownish
odour	charakteristic
odour threshold	Not tested
pH	Not tested
melting point / freezing point	N/A
initial boiling point and boiling range	No data
flash point	No data
evaporation rate	No data
flammability	N/A
upper/lower flammability or explosive limit	No data
vapour pressure	No data
vapour densit	No data
Relative density (d20/20)	No data
solubility	Miscible in water, etanol
partition coefficient: n-octanol/water	No data
auto-ignition temperature	No data
decomposition temperature	No data
viscosity	No data
explosive properties	No data
oxidising properties	No data

9.2. Other information.

No data available.

Section 10: Stability and reactivity

10.1. Reactivity.

No data available.

10.2. Chemical stability.

Product is stable under normal conditions of handling and use.

10.3. Possibility of hazardous reactions.

No data available.

10.4. Circumstances to avoid.

Avoid heating closed containers with a substance above 95 ° C.

10.5. Incompatible materials.

Strong oxidizing agents.

10.6. Hazardous decomposition products.

Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO2).

In case of fire – refer Section 5.



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Section 11: Toxicological information

11.1 Information on toxicological effects.

a) Acute toxicity

Substance	CAS No.	Exposure routes	Dose	Species	Source
Propane-1,2-diol	57-55-6	Oral	LD50= > 22 000 mg/kg bw	Rat	Echa dossier
		Dermal	LD50= > 2 000 mg/kg bw	Rabbit	Echa dossier
		Inhalation (aerosol)	LC50= >317 042 mg/m ³ air	Rat	Echa dossier

b) Skin corrosion/irritation

- Method: OECD Guideline 404 – Echa dossier
- Species: Rabbit (in vivo)
- Results: No skin reactions were present in any of the six animals at 1hr, 24hr, 48hr and 72hr following removal of the patch

c) Serious eye damage/irritation

- Method: OECD Guideline no. 405 – Echa dossier
- Species: Rabbit (in vivo)
- Results: substance is not classified as corrosive to eyes

d) Respiratory or skin sensitisation

No data.

e) Germ cell mutagenicity

- Source: Echa dossier
- Species: Salmonella typhimurium
- Results: negative

f) Carcinogenicity

- according to research, this substance does not cause cancer (Echa dossier)

g) Reproductive toxicity

- no effects observed (Echa dossier)

h) STOT-single exposure

- the substance does not meet the criteria of classification (Echa dossier)

i) STOT-repeated exposure

- the substance does not meet the criteria of classification (Echa dossier)

j) Aspiration hazard

- the substance does not meet the criteria of classification (Echa dossier).



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Section 12: Ecological Information

12.1. Toxicity.

Substance	CAS No.	Toxicity for aquatic organisms	Dose	exposure time	Species	Source
Propane-1,2-diol	57-55-6	Toxicity to fish	LC50 for freshwater fish 40613mg/L	96 h	Oncorhynchus mykiss	Echa dossier
		Toxicity to crustaceans	EC50/LC50 for freshwater invertebrates 18 340 mg/L	72 h	Ceriodaphnia dubia	Echa dossier

12.2. Persistence and degradability.

No data available
Biodegradability :
monopropylene glycol is considered ready biodegradable

12.3. Ability to bioaccumulate.

No potential for bioaccumulation (Echa dossier).

12.4. Mobility in soil.

No data available.

12.5. Results of PBT and vPvB assessment.

This substance is not considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher according ANNEX XIII REACH Regulation.

12.6. Other adverse effects.

No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods.

Dispose of in accordance with the Directive 2008/98/EC and regional regulations to a licensed disposal company.
Prevent from reaching into drains, sewer, or waterway.
Contaminated packaging
• Dispose of as unused product.

Section 14: Transport Information

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

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Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Refer to section 6,7,8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

Section 15: Regulatory Information.

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

- 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.
- REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation 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.
- COMMISSION DIRECTIVE 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

15.2. Chemical safety assessment.

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.

Abbreviation and acronyms

- ADR: Accord européen sur le transport des marchandises dangereuses par Route - European Agreement Concerning the International Carriage of Dangerous Goods by Road
- CAS Chemical Abstracts Service
- IARC: International Agency for Research on Cancer
- IMDG: International Maritime Code for Dangerous
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- OECD - Organisation for Economic Co-operation and Development
- LC50: lethal dose, 50%
- LD50: median lethal dose
- PBT: Persistent bioaccumulative

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- vPvB: very Persistent, very Bioaccumulative

Full text of H-Statements

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Full text of P-Statements

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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.