

SAFETY DATA SHEET

(according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878)

SECTION 1: Identification of the substance/ mixture and of the company/undertaking

1.1. Product identifier

Product name: DIMENSE INK

REACH No: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses: DIMENSE INK

1.3. Details of the supplier of the safety data sheet

Company: UAB DG Dimense, Baltosios Vokes str. 37, LT-02243 Vilnius

E-mail address: info@dimense.com

Further information about the SDS obtainable from: info@dimense.com

1.4. Emergency telephone number

Lithuanian emergency telephone number: +370 52 36 20 52; +370 687 53378 (24h)

International emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]:

Not classified

2.2. Label elements

According to Regulation (EC) No 1272/2008 [CLP]:

The product does not need to be labelled according to CLP Regulation.

2.3. Other hazards

None known.

PBT/vPvB data:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0,1% or higher.

Endocrine disrupting properties-Toxicity:

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.

Endocrine disrupting properties-Ecotoxicity:

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 3: Composition/information on Ingredients

3.2. Mixture

NAME	PRODUCT IDENTIFER	%	CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008[CLP]
Water	-	>75	Not classified as hazardous
2-(2-(2-butoxyethoxy)ethoxy)ethanol	CAS-No.: 143-22-6 EC-No.: 205-592-6 EC Index-No.: 603-183-00-0	<10	Eye Dam. 1, H318; Specific Concentration limits, M-Factors: Eye Irrit. 2; H319: 20 % ≤ C < 30 % Eye Dam. 1; H318: C ≥ 30 %

The ratio of water-organic solvents in inks is 1:0,15.

SECTION 4: First Aid Measures

4.1. Description of first aid measures

General information:

Instantly remove any clothing soiled by the product.

Inhalation:

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen and get medical aid immediately.

Skin contact:

Immediately flush skin with plenty of water for at list 15 minutes while removing contaminated clothing and shoes. If irritation develops, get medical attention.

Eyes contact:

Do not rub eyes. Immediately flush with large amount of clean, warm water (low pressure) for at list 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists get medical attention. Do not apply neutralizing agents.

Ingestion:

Do not induce vomiting. Rinse mouth with water. Drink one to two glasses of water and get medical aid immediately.

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

No further relevant information is available.

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

Treat according to symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: use water spray, dry powder, alcohol resistant foam, carbon dioxide.

Unsuitable extinguishing agents (for safety reasons): water with a full water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors. Burning produces obnoxious and toxic fumes, such as carbon monoxide and carbon dioxide, nitrogen oxides.

5.3. Advice for fire-fighters

Wear suitable protective equipment and self-contained breathing apparatus.

Move containers from the fire area if you can do it without risk. Cool containers with water spray. Evacuate area and fight fire from a safe distance.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the substance. Wear respiratory protection if ventilation is inadequate.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Do not discharge into the subsoil/soil. Contain contaminated water/firefighting water. Dispose of in compliance with the environmental protection requirements

6.3. Methods and material for containment and cleaning up

For large amounts:

Pump off product.

For residues:

Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder) Dispose of absorbed material in accordance with regulations.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Ensure thorough ventilation of stores and work areas. Protection against fire and explosion: prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions:

No special precautions necessary.

Storage duration:

18 Months.

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

DIMENSE INK

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

No data available

8.2. Exposure controls

Personal protective equipment:

Eye/face protection:

Safety glasses if needed.

Skin protection:

Handle with gloves.

Respiratory protection:

Use personal respiratory protective equipment if needed.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Avoid contact with the skin, eyes and clothing.

SECTION 9: Physical and Chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid at 20 °C
Color:	CMYK
Odor:	Slightly
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosive limits:	Not determined
Flash point:	Does not have a Flash Point (ISO 2592)
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH:	8-10 at 25 °C
Kinematic viscosity:	3-5 cP at 25 °C
Solubility: solubility in water:	Soluble
Vapor pressure:	Not determined
Density:	<1,1 g/cm ³ at 25 °C
Relative vapor density:	Not determined
Particle characteristics:	<150 nm (mean volume)

9.2. Other safety information

No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame.

10.5. Incompatible materials

Substances to avoid:

strong acids, strong oxidizing agents, strong bases, aldehydes.

10.6. Hazardous decomposition products

At prolonged and/or strong thermal stressing above the decomposition temperature dangerous decomposition products can be formed. No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

No data available.

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

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0,1% or higher.

12.6. Endocrine disrupting properties

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.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Reuse, when possible. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

Contaminated packaging: dispose of as unused product.

SECTION 14: Transport Information

14.1. UN number:

Not regulated as a dangerous good.

14.2. UN proper shipping name:

Not regulated as a dangerous good.

14.3. Transport hazard class - (es)

Not regulated as a dangerous good.

14.4. Packing group

Not regulated as a dangerous good.

14.5. Environmental hazards

Not regulated as a dangerous good.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory Information

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

Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

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

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, Authorization and Restriction of Chemicals (REACH).

USA Information:

All substances are listed (commercial status is active) in Toxic Substances Control Act (TSCA).

SARA title III: CAS No.143-22-6 Glycol Ethers (N230).

Not listed in California Proposition 65.

Canada Information:

All substances are listed in Canadian Environmental Protection Act (CEPA).

Japan Information:

All substances are listed in Chemical Substances Control Law (CSCL).

All substances are listed in Industrial Safety and Health Act (ISHA): CAS 147-14-8 and CAS 1333-86-7 (Labeling); CAS 1333-86-7 (Deliver of Documents)

China Information:

All substances are listed in China Inventory of Existing Chemical Substances (IECSC).

Philippines Information:

All substances are listed in Philippine Inventory of Chemicals and Chemical Substances (PICCS).

Australia Information:

All substances are listed in Australian Industrial Chemicals Introduction Scheme (AICIS).

Taiwan Information:

All substances are listed in Toxic Chemical Substance Control Act (TCSC).

New Zealand Information:

All substances are listed in New Zealand Inventory of Chemicals (NZIoC).

Korea Information:

All substances are listed in Act on Registration and Evaluation of Chemical Substances.

International Information:

None of the ingredients in this ink is listed by IARC as a carcinogen. (1, 2A and 2B).

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. UAB DG DIMENSE shall not be held liable for any damage resulting from handling or from contact with the above product.