

SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

1.1 Product identifier

TADAM®

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

Relevant identified uses: instant glue for consumer use.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Importer: **Bripox Sp. z o.o.**

Address: Al. Jerozolimskie 181A, 02-222 Warszawa, Poland

Telephone number: +48 (22) 868 26 14

E-mail address for a competent person responsible for SDS: bripox@bripox.pl

1.4 Emergency telephone number

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

2.2 Label elements

Hazard pictograms and signal words



WARNING

Substances which influenced product classification

Contains: ethyl 2-cyanoacrylate.

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/ attention.

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

P501 Dispose of contents/container to properly labelled waste containers according to national law.

Additional information

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

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2.3 Other hazards

The substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances 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 at a concentration equal to or greater than 0.1 % by weight. Warning! The product bonds skin and eyelids in seconds.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS number: 7085-85-0 EC number: 230-391-5 Index number: 607-236-00-9 REACH number: -	<u>ethyl 2-cyanoacrylate</u> ¹⁾ Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335 <u>Specific concentration limit:</u> STOT SE 3 H335: C ≥ 10 %	86-90 %
CAS number: 9011-87-4 EC number: 618-476-9 Index number: REACH number: -	<u>2-propenoic acid, 2-methyl-, methyl ester, polymer with methyl 2-propenoate</u> Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335	5-9 %

1) Substance with established occupational exposure limits defined in Great Britain.
Full text of each relevant H phrase is given in section 16 of SDS.

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: in case of the adhesion of skin surfaces, they must not be separated with force. After soaking the skin in warm, soapy water, gently pry the glued space open with a blunt instrument (e.g. a spoon). Cyanoacrylates release heat during curing. Sometimes a large drop can produce enough heat to cause burns. In case of burns, and after removal of the adhesive from the skin typical medicaments should be used (such as in case of thermal burns). Accidentally glued lips should be moistened with warm water from the outside, and from the inside – with saliva. Then, separate the glued skin surface without the use of force. Do not use solvents.

Eye contact: in case of eyelid adhesion, apply a cotton swab dampened with warm water and separate the eyelids. Cyanoacrylate will bind the protein, which will cause lacrimation, which in turn will help to peel off the eyelids. The eye should be covered with a dressing until the eyelids are completely separated, usually for 1-3 days. Do not use force when trying to open the eyelids. Get medical attention immediately.

Ingestion: make sure that the airways are clear. The product immediately polymerizes in the mouth, so swallowing it in liquid state is almost impossible. The saliva will slowly cause separation of the solidified product from the mouth (within a few hours). Consult a doctor, show package or label. Never give anything to the unconscious person.

Inhalation: remove the victim to fresh air, keep warm and calm. Consult a doctor, if disturbing symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: skin adhesion, irritation, burning sensation, occasionally a large drop may cause burns.

Eye contact: redness, tearing, burning sensation, irritation, conjunctivitis, eyelid adhesion.

Ingestion: lip adhesion, burns.

Inhalation: possible irritation of the respiratory tract, prolonged or intense exposure to vapours may cause breathing difficulties and dizziness

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. Symptomatic treatment.

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Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: carbon dioxide, extinguishing powder, foam, water spray.

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

5.2 Special hazards arising from the substance or mixture

During the fire, may produce harmful gases consisting of carbon oxides, nitrogen oxides and other unidentified thermal decomposition products. Do not inhale combustion products, may cause health risk.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without protective clothing resistant to chemicals and self-contained breathing apparatus. In case of fire cool endangered containers with water fog from safe distance. Collect used the extinguishing media. Do not let them to enter sewage system, surface water and ground water.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Ensure that the effects of breakdown are removed only by trained personnel. Wear personal protective equipment. Avoid eyes and skin contamination. Do not inhale vapours of the product. Ensure adequate ventilation.

6.2 Environmental precautions

In case of a release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Stop the leakage if it is safe (seal the damaged packaging and place in a replacement container). Apply water to the adhesive to polymerize. Then remove mechanically. The collected material can be treated as non-hazardous waste.

6.4 Reference 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

Handle in accordance with good occupational hygiene and safety practices. Avoid eyes and skin contamination. Do not inhale vapours of the product.. Before break and after work wash hands carefully. Keep the unused containers tightly closed. Ensure adequate general and / or local ventilation. Wear personal protective equipment. Avoid contact with fabrics, e.g. cotton, wool and paper. Contact with this products may cause rapid polymerization, which may produce irritating smoke.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers only in original, tightly closed containers in a dry, cool and well-ventilated place. Keep away from food, beverages or feed for animals. Avoid direct expose to sunlight, sources of ignition and naked flame. Do not store with incompatible materials (see subsection 10.5). Do not store in temperature above 25 °C. Avoid contact with water and froze.

7.3 Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

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Section 8: Exposure controls/personal protection

8.1 Control parameters

Product does not contain components with occupational exposure limit values established on the European Union level. Please check also any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

Recommended control procedures

Procedures Concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace - if they are available and Justified for the position - in Accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

8.2 Exposure controls

Appropriate engineering controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Before break and after work wash hands carefully. Avoid contact with skin and eyes. Ensure adequate ventilation in order to keep the concentration of harmful substances below the permissible concentration values.

Individual protection measures, such as personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Hand and body protection

Use protective gloves resistant to the product in accordance with EN 374. The material for gloves should be selected individually at the workplace. Wear protective clothing resistant to the product.

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. It is recommended to change protective gloves regularly and replace them immediately if any signs of their wear, damage or changes in appearance (colour, flexibility, shape) occur.

Eye protection

Wear tightly fitting protective glasses in accordance with EN ISO 16321-1:2022-10 in case of risk of eye contamination.

Respiratory protection

In case of sufficient ventilation, it is not required. In case of emergency, exceeded TWA values use properly selected respiratory protection.

Thermal hazards

Do not occur.

Environmental exposure controls

Do not allow large amounts of the product to enter groundwater, sewage system, sewage or soil. Uncontrolled release of the product into the environment should be reported to appropriate authorities in accordance with national and local regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour	slightly pungent
Melting point/freezing point:	< 20 °C

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Boiling point or initial boiling point and boiling range:	> 150 °C
Flammability:	not determined
Lower and upper explosion limit:	not determined
Flash point:	ca. 80 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	ca. 150 °C
pH:	not determined
Kinematic viscosity:	not determined
Solubility:	polymerize in contact with water
Partition coefficient n-octanol/water (log value):	not determined
Vapour pressure:	0,2 Pa (20 °C)
Density and/or relative density:	0.9 – 1.1
Relative vapour density:	3
Particle characteristics:	not applicable

9.2 Other information

Evaporation rate:	< 1 (butyl acetate = 1)
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Section 10: Stability and reactivity

10.1 Reactivity

The product is reactive. It undergoes dangerous polymerization in contact with water. See also subsections 10.3-10.5.

10.2 Chemical stability

The product is stable under normal conditions of handling and storage.

10.3 Possibility of hazardous reactions

It undergoes spontaneous, exothermic polymerization in the presence of water, amines, alkalis and strong oxidants.

10.4 Conditions to avoid

Avoid heat sources, flame, direct sunlights. Protect against water and froze.

10.5 Incompatible materials

Strong bases, amines, water, strong oxidants.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

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

Information on acute and / or delayed effects of exposure has been determined based on information about the product classification and / or toxicological tests as well as the manufacturer's knowledge and experience.

Toxicity of components

ethyl 2-cyanoacrylate. [CAS 7085-85-0]

LD₅₀ (oral, rat) > 5000 mg/kg (ECHA data)

Toxicity of mixture

Acute toxicity

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

Skin corrosion/irritation

Causes skin irritation.

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Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

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

Aspiration hazard

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

Information on likely routes of exposure

Routes of exposure: skin contact, eye contact, inhalation, ingestion. See subsection 4.2 for more information on the effects from each possible route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics

See subsection 4.2.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

See subsection 4.2.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances 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 at a concentration equal to or greater than 0.1 % by weight.

Other information

Not applicable.

Section 12: Ecological information

12.1 Toxicity

Product is not classified as hazardous to the environment.

12.2 Persistence and degradability

The cured product does not decompose.

12.3 Bioaccumulative potential

Bioaccumulation should not be expected.

12.4 Mobility in soil

Product undergoes polymerization in contact with water. It is not mobile in soil and water.

12.5 Results of PBT and vPvB assessment

The substances contained in the product do not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

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12.6 Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances 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 at a concentration equal to or greater than 0.1 % by weight.

12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg, global warming potential).

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Store residues in original containers. Do not empty into drains. Waste code should be given in the place of waste formation.

Disposal methods for used packing: reuse / recycle / liquidate empty containers in accordance with the local legislation. Only completely emptied packaging can be recycled. Waste code should be given in the place of waste formation.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

Section 14: Transport information

14.1 UN number or ID number

Not applicable. Product is not classified as dangerous during transportation by land, sea and air.

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 or mixture

Directive **2004/37/EC** Of The European Parliament and Of The Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work (Sixth individual Directive within the meaning of Article 16(1) of Council Directive 89/391/EEC) as amended.

2000/39/EC Commission Directive of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work as amended.

Council Directive **98/24/EC** of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) as amended.

91/322/ECC Commission Directive of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work as amended.

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ADR Agreement concerning the International Carriage of Dangerous Goods by Road.

IMDG Code International Maritime Dangerous Goods Code

IATA Dangerous Goods Regulations

1907/2006/EC REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL 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 (as amended).

1272/2008/EC REGULATION 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 (as amended).

2020/878/EU COMMISSION REGULATION 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.

2008/98/EC DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives (as amended).

European Parliament and Council Directive **94/62/EC** of 20 December 1994 on packaging and packaging waste as amended

2016/425/EU REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

15.2 Chemical safety assessment

Chemical safety assessment is not required for the mixture.

Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Clarification of aberrations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
TWA	Time-weighted average
STEL	Short-term exposure limit
Eye Irrit. 2	Eye irritation - category 2
Skin Irrit. 2	Skin irritation - category 2
STOT SE 3	Specific target organ toxicity – single exposure category 3

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.

Key literature references and data sources

This SDS was prepared on the basis of sheet provided by the manufacturer, literature data, online databases as well as our knowledge and experience, taking into account current legislation.

Procedures used to classify of the mixture

Classification was made on the basis of physicochemical data of the mixture and content of the hazardous substances by calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

Additional information

Date of update:	30.05.2025
Version:	2.1/EN
Changes:	section: 1,8,11,15,16
Safety Data Sheet made by:	THETA Consulting Sp. z o.o. (based on manufacturer's data)

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.