

Safety Data Sheet

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Product Name: i.FAST Part A
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SECTION 1

Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name i.FAST Part A
Pure substance/mixture Mixture

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

Recommended use This product is a cyanoacrylate-based adhesive.
Uses advised against None known

1.3 Details of the supplier of the safety data sheet

Company Name i.GLUESYSTEMS GmbH
Heinrich-Otto-Str. 71
D-73240 Wendlingen am Neckar
+49(0) 7024 415 4920
info@i-gluesystems.com

Contact: +49(0) 7024 415 4920
info@i-gluesystems.com

1.4 Emergency telephone number: +49(0) 551 19240 Emergency telephone number Göttingen 24h Mo-Su

SECTION 2

Hazards identification

2.1 Classification of the substance or mixture

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2 Label Elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Signal word

None

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

EU Specific Hazard Statements

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

Additional information

Please also refer to the SDS for the other component(s) of the kit. This product is part of a kit.

2.3. Other Hazards

Polymerises with evolution of heat. Will bond to skin. Bonds skin and eyes in seconds. Harmful to aquatic life.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT)

SECTION 3

Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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SECTION 4

First aid measures

4.1 Description of first aid measures

General advice

If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance. If irritation persists or eye and/or skin remains bonded: Get medical advice/attention.

Inhalation

IF exposed or concerned: Get medical advice/attention. Remove to fresh air.

Eye contact

If eyelids are bonded closed or if skin to skin or skin to clothing bonding has occurred, release bonding by covering affected area with a pad wetted with warm water. Do not force eyes or any bonded skin apart. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists or eye and/or skin remains bonded: Get medical advice/attention.

Skin contact

Bonded areas may be gently peeled apart using a blunt object such as a spoon. Polymerises with evolution of heat. If eyelids are bonded closed or if skin to skin or skin to clothing bonding has occurred, release bonding by covering affected area with a pad wetted with warm water. Do not force eyes or any bonded skin apart. If irritation persists or eye and/or skin remains bonded: Get medical advice/attention. Allow acetone or warm water to penetrate the bond and gently attempt to move bonded areas without pulling the skin away from bonded area. Do not remove clothing if adhering to skin.

Ingestion

If swallowed, rinse mouth with water (only if the person is conscious). The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

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

Symptoms No information available.

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

Note to doctors Treat symptomatically.

SECTION 5

Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Bonds skin and eyes in seconds.

Hazardous combustion products

Carbon oxides. Nitrogen oxides (NOx). Silicon dioxide.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6

Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. See section 8 for more information.

For emergency responders Use personal protection recommended in Section 8.

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6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off floor.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7

Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Please also refer to the SDS for the other component(s) of the kit. This product is part of a kit. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment. Do not eat, drink or smoke when using this product. See section 8 for more information.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from food, drink and animal feedingstuffs.

Recommended storage temperature

For optimum shelf life store in original containers under refrigerated conditions at 2 - 8°C.

7.3. Specific end use(s)

Specific Use(s)

This product is a cyanoacrylate-based adhesive.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8

Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	United Kingdom
Ethyl 2-cyanoacrylate 7085-85-0	-	STEL: 0.3 ppm STEL: 1.5 mg/m ³

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face protection

Recommended Use: Nitrile rubber. Glove thickness > 0.4 mm. Latex gloves. Polyethylene. Polypropylene. Glove thickness >= 0.15 mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374

Skin and body protection Wear suitable protective clothing.

Respiratory protection None under normal use conditions.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

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SECTION 9

Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Liquid
Colour Colourless
Odour Odourless
Odour threshold Not applicable

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Boiling point / boiling range	> 186 °C	
Flammability	Not applicable for liquids	
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	= 162 °C	ASTM D92
Autoignition temperature	163 °C	
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	140000 - 200000 mPa s	Spindle 14 @ 1.5 rpm @ 23 °C
Water solubility	No data available	Reacts with water Polymerisation can occur
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	1.1	
Bulk Density	No data available	
Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

Solid content (%) No information available
VOC Content (%) No data available 61 g/L

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10

Stability and reactivity

10.1 Reactivity

Reactivity Stable under recommended storage conditions. Product cures with moisture.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation may occur.

10.4. Conditions to avoid

Conditions to avoid Protect from moisture.

10.5. Incompatible materials

Incompatible materials Alcohols. Alkali. Amines. Water.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions.

products

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SECTION 11

Toxicological information

11.1 Information on toxicological effects Information on likely routes of exposure

Product Information

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met. Specific test data for the substance or mixture is not available. Bonds skin and eyes in seconds.
Skin contact	Based on available data, the classification criteria are not met. Specific test data for the substance or mixture is not available. Bonds skin and eyes in seconds.
Ingestion	Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Component Information

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

Skin corrosion/irritation

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

Serious eye damage/eye irritation

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

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

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

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.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

Note: PC-ADH-8 Multi-component adhesives and sealants Please also refer to the SDS for the other component(s) of the kit This product is part of a kit

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SECTION 12

Ecological information

12.1 Toxicity

Ecotoxicity Harmful to aquatic life.

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT).

12.6. Other adverse effects

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13

Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging

Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.

European Waste Catalogue

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14

Transport information

Note:

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material.

Land transport (ADR/RID)

14.1 UN number Not regulated

14.2 Proper Shipping Name Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable

14.6 Special Provisions None

IMDG

14.1 UN number Not regulated

14.2 Proper Shipping Name Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Marine pollutant Np

14.6 Special Provisions None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

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Air transport (ICAO-TI / IATA-DGR)

14.1 UN number UN3334

14.2 Proper Shipping Name Aviation regulated liquid, n.o.s (2-Propenoic acid, 2-cyano-, 2-methoxyethyl ester)

14.3 Transport hazard class(es) 9

14.4 Packing group III

Description UN3334, Aviation regulated liquid, n.o.s (2-Propenoic acid, 2-cyano-, 2-methoxyethyl ester), 9, III

14.5 Environmental hazards Not applicable

14.6 Special Provisions A27

Limited Quantity (LQ) 30 kg G

ERG Code 9A

Section 15

REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16

Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

TWA TWA (time-weighted average)

STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value

* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure

STOT SE Specific target organ toxicity - Single exposure

EWC European Waste Catalogue

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

IMDG International Maritime Dangerous Goods (IMDG)

IATA International Air Transport Association (IATA)

RID Regulations concerning the International Transport of Dangerous Goods by Rail

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Key literature references and sources for data No information available

Prepared By Product Safety & Regulatory Affairs

Revision Date: 14-Jul-2022

Indication of changes

Revision note SDS sections updated, 1, 3.

Training Advice No information available

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet