



# 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  
This SDS is for generic information purposes and does not reflect required country specific information for OEL

Afinitica BX01  
Supersedes Date: 06-Mar-2020

Revision date 06-Mar-2020  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product Identifier

Product Name Afinitica BX01  
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**  
Afinitica Technologies s.l.  
Edifici Eureka, Campus UAB  
08193 Bellaterra  
Barcelona, Spain  
Tel: +34 611428953

**E-mail address** SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

**Emergency Telephone** No information available

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Not classified

### 2.2. Label Elements

Not classified

**Signal word**  
None

**Hazard statements**  
Not classified

### EU Specific Hazard Statements

EUH210 - Safety data sheet available on request.  
EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.  
EUH208 - Contains Mequinol. May produce an allergic reaction.

### 2.3. Other Hazards

Will bond to skin  
Polymerises with evolution of heat

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## PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Mequinol	205-769-8	150-76-5	0.1- <1	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Repr. 2 (H361) Aquatic Chronic 3 (H412)		01-2119541813-40-XXXX

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

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

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)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. If irritation persists or eye and/or skin remains bonded: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
<b>Eye contact</b>	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. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad.
<b>Skin contact</b>	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. Polymerises with evolution of heat. Do not pull bonded skin apart. Do not remove clothing if adhering to skin. Soak in warm soapy water. Bonded areas may be gently peeled apart using a blunt object such as a spoon.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Ensure breathing passages are not obstructed. The product will polymerise immediately

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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.

### 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.

**Other information** Ventilate the area. Prevent further leakage or spillage if safe to do so.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system. Do not allow to enter into soil/subsoil. 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.

### 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

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**Advice on safe handling** 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. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

## 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep from freezing.

## 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

**Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.**

**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** Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

**Hand protection** Wear suitable gloves. Recommended Use: Nitrile rubber. Butyl rubber. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min.

**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.

## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

**Physical state** Liquid  
**Appearance** Liquid  
**Colour** Colourless

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**Odour** Odourless  
**Odour threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	182 °C	
Flash point	120 °C	
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable for liquids .	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Relative density	1.14	
Water solubility	Insoluble in water	Polymerisation can occur
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	20 - 50 mPa s	Spindle 21 @ 100 rpm @ 23 °C
Explosive properties	No data available	
Oxidising properties	No data available	

## 9.2. Other information

**Solid content (%)** No information available  
**VOC Content (%)** No information available  
**Density** No information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

**Reactivity** No information available.

### 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.

### 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

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**Hazardous decomposition products** None under normal use conditions. Stable under recommended storage conditions.

## 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** Bonds skin and eyes in seconds.  
**Skin contact** 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.

#### Numerical measures of toxicity

##### Acute Toxicity

##### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Mequinol 150-76-5	=860 mg/kg (Rattus)	> 2000 mg/kg (Oryctolagus cuniculus)	

#### 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.

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## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor	M-Factor (long-term)
Mequinol 150-76-5	-	LC50: =84.3mg/L (96h, Pimephales promelas) LC50: =28.5mg/L (96h, Oncorhynchus mykiss)	-	-		

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

#### Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Mequinol 150-76-5	1.3	-

### 12.4. Mobility in soil

**Mobility in soil** No information available.

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** The components in this formulation do not meet the criteria for classification as PBT or vPvB. .

Chemical name	PBT and vPvB assessment
Mequinol 150-76-5	The substance is not PBT / vPvB

### 12.6. Other adverse effects

**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.

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<b>European Waste Catalogue</b>	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
<b>Other information</b>	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. Keep from freezing.

### 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

### Air transport (ICAO-TI / IATA-DGR)

14.1 UN number	UN3334
14.2 Proper Shipping Name	Aviation regulated liquid, n.o.s
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3334, Aviation regulated liquid, n.o.s, 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

#### 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).



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## 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

### France

#### Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Mequinol 150-76-5	RG 65

### Germany

#### Ordinance on Industrial Safety and Health - Germany - BetrSichV

No flammable liquids in accordance with BetrSichV

### Netherlands

#### List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Not Listed

## 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

#### Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H361 - Suspected of damaging fertility or the unborn child  
H412 - Harmful to aquatic life with long lasting effects

#### 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

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STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue

## **Key literature references and sources for data**

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 06-Mar-2020

## **Indication of changes**

**Revision note** Not applicable.

**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**