

AFINITICA® ACTIVE SPRAY

SDB nº: 242909

V4.0 (JULY 2015)

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

1.1. Product identifier

AFINITICA® ACTIVE SPRAY

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

Intended use: Cyanoacrylate activator

1.3. Details of the supplier of the safety data sheet

Afinitica Technologies S.L.
Edificio Eureka, Parc de Recerca UAB
08193 Bellaterra (Barcelona)

España
Telephone number: +34 (93) 580 1974
info@afinitica.com

1.4. Emergency telephone number

Afinitica Technologies S.L. + 34 93 580 19 74

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation CLP (EC) No 1272/2008

Flammable liquid (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity – single exposure (Category 3)

2.2. Label elements

Labelling according Regulation CLP (EC) No 1272/2008

Pictogram



Signal word

Danger

Hazard statement(s)

H225

H319

H336

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Precautionary statement(s)

P210

P261

P305 + P351 + P338

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Avoid breathing dust/fume/gas/mist/vapours/spray.

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

For full text of these Hazard and Precautionary statements, see Section 16.

2.3. Other hazards

None.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

General chemical description: Cyanoacrylate activator.

Declaration of the ingredients according to Regulation CLP (EC) No. 1272/2008:

Hazardous components CAS-No.	EC-No.	Content	Classification
2-Propanol 67-63-0	200-661-7	> 99%	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336

For full text of these Hazard and Precautionary statements, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

See section 4.1

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which must not be used for safety reasons

None known

5.2. Special hazards arising from the substance or mixture

Carbon oxides.

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4. Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4. Reference to other sections

See advice in section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition – No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

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 uses

Surface cleaner and adhesion activator.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Valid for:

Great Britain

Occupational Exposure Limits (OEL):

Hazardous components CAS-No.	Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)		Remarks
	ppm	mg/m ³	ppm	mg/m ³	
2-Propanol 67-63-0	400	999	500	1250	-

Biological Exposure Indices:

None

8.2. Exposure controls**8.2.1. Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Personal protective equipment**Eye/face protection:**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 480 min

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.2 mm

Break through time: 60 min

Body Protection:

Impervious clothing. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure:

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
	Colourless
Odour	Alcohol-like.
pH	No data available/Not applicable
Initial boiling point	82 °C (180 °F)
Flash point	12 °C (53.6 °F), closed cup.
Decomposition temperature	No data available/Not applicable
Vapour pressure	43.2 hPa (32.4 mmHg) at 20.0 °C (68.0 °F). 58.7 hPa (44.0 mmHg) at 25.0 °C (77.0 °F).
Density	0.785 g/mL at 25 °C (77 °F).
Bulk density	No data available/Not applicable
Viscosity	No data available/Not applicable
Viscosity (kinematic)	No data available/Not applicable
Explosive properties	Upper explosion limit: 12.7 % (V) Lower explosion limit: 2 % (V)
Qualitative solubility (solvent: water)	No data available/Not applicable.
Solidification temperature	No data available/Not applicable
Melting point	-89.5 °C (-129.1 °F).
Flammability	No data available/Not applicable
Auto-ignition temperature	No data available/Not applicable
Explosive limits	No data available/Not applicable
Partition coefficient n-octanol/water	No data available/Not applicable
Evaporation rate	3.0
Vapour density	No data available/Not applicable
Oxidizing properties	No data available/Not applicable

9.2. Other information

Surface tension	20.8 mN/m at 25.0 °C
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available/Not applicable

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available/Not applicable

10.4. Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Oxidizing agents, acid anhydrides, aluminium, halogenated compounds, acids.

10.6. Hazardous decomposition products

Other decomposition products – no data available.
In the event of fire: see section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General toxicological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC.

Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Aspiration hazard:

No data available

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-Propanol 67-63-0	LD50	5,045 mg/kg	Oral	-	rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-Propanol 67-63-0	LD50	12,800 mg/kg	Dermal	-	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-Propanol 67-63-0	LC50	16,000 mg/kg	Inhalation	-	rat	-

Skin corrotion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
2-Propanol 67-63-0	Mild skin irritation	-	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
2-Propanol 67-63-0	Eye irritation	24 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

No data available

Germ cell mutagenicity:

No data available

Carcinogenicity:

No data available

Reproductive toxicity:

No data available

Specific target organ toxicity – single exposure:

Inhalation, Oral – May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure:

No data available.

Aspiration hazard:

No data available

Additional information:

RTECS: NT8050000

Central nervous system depression, prolonged or repeated exposure can cause: Nausea, Headache, Vomiting, narcosis, drowsiness. Overexposure may cause mild, reversible liver effects. Aspiration may lead to: Lung oedema, Pneumonia.

Kidney – Irregularities – Based on human evidence.

SECTION 12: Ecological information

12.1. Toxicity

General ecological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC.

Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Hazardous components CAS-No.	Toxicity	Value type	Value	Route of application	Exposure time	Species
2-Propanol 67-63-0	Toxicity to fish	LC50	9,640.00 mg/L		96h	Pimephales promelas (fathed minnow)
2-Propanol 67-63-0	Toxicity to daphnia and other aquatic invertebrates	EC50	5,102.00 mg/L		24h	Daphnia magna (Water flea)
2-Propanol 67-63-0	Toxicity to daphnia and other aquatic invertebrates	EC50	6,851 mg/L	Immobilization	24h	Daphnia magna (Water flea)
2-Propanol 67-63-0	Toxicity to algae	EC50	> 2,000.00 mg/L		72h	Desmodesmus subspicatus (green algae)
2-Propanol 67-63-0	Toxicity to algae	EC50	> 1,000.00 mg/L		24h	Algae

12.2. Persistence and degradability

No data available/Not applicable.

12.3. Bioaccumulative potential

No data available/Not applicable.

12.4. Mobility in soil

No data available/Not applicable

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6. Other adverse effects

No data available/Not applicable

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal Contaminated packaging:

Dispose as unused product.

SECTION 14: Transport information

14.1. UN number

ADR/RID: 1219

ADNR: 1219

IMDG: 1219

IATA: 1219

14.2. UN proper shipping name

ADR/RID: ISOPROPANOL

ADNR: ISOPROPANOL

IMDG: ISOPROPANOL

IATA: Isopropanol

14.3. Transport hazard class(es)

ADR/RID: 3

ADNR: 3

IMDG: 3

IATA: 3

14.4. Packaging group

ADR/RID: II

ADNR: II

IMDG: II

IATA: II

14.5. Environmental hazards

ADR/RID: no

ADNR: no

IMDG Marine pollutant: no

IATA: no

14.6. Special precautions for user

No data available/Not applicable

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

No data available/Not applicable

SECTION 15: Regulatory information

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

No data available/Not applicable

15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other Information

The labelling of the product is indicated in Sections 2 and 3. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

Flam. Liq.	Flammable liquid
Eye irrit.	Eye irritation
STOT SE	Specific target organ toxicity – single exposure
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Further information

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This safety data sheet was prepared in accordance with Regulation (EC) No. 1272/2008.