

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 Super Repair Part A Supercedes Date: 28-Apr-2021

### Revision date 29-Sep-2020 Revision Number 1

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

1.1. Product identifier

Product Name Pure substance/mixture Afinitica Super Repair Part A 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

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity — single exposure	Category 3 - (H335)

#### 2.2. Label elements

Contains ethyl-2-cyanoacrylate



Signal word Warning

Hazard statements H315 - Causes skin irritation. H319 - Causes serious eye irritation.

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H335 - May cause respiratory irritation.

## **EU Specific Hazard Statements**

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

## Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P261 - Avoid breathing vapours

P280 - Wear protective gloves and eye/face protection

P264 - Wash face, hands and any exposed skin thoroughly after handling

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

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

## **Additional information**

Please refer also to Safety Data Sheet of Part B.

## 2.3. Other hazards

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

#### 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

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
ethyl-2-cyanoacrylate	230-391-5	7085-85-0	80 - 100	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)	STOT SE 3 :: C>=10%	01-2119527766- 29-XXXX
6,6'-di-tert-butyl-2,2'-met hylenedi-p-cresol	204-327-1	119-47-1	0.1- <0.3	Repr. 2 (H361f) Aquatic Chronic 4 (H413)		[8]
1,4-Benzenediol	204-617-8	123-31-9	0.01 - <0.1	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Muta. 2 (H341) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (M Factor Acute		01-2119524016- 51-XXXX

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				= 10)	
				(M Factor	
				Chronic =1)	
NOTE [0] No registration number is given for this substance because it is upday the threshold in DEACUL Article ((4) and not subject to the					

NOTE [8] - No registration number is given for this substance because it is under the threshold in REACH Article 6(1) and not subject to the registration requirements according to REACH Title II

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

SECTION 4: First aid measures

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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

4.1. Description of first aid measu	ires				
General advice	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	Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.				
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. Do not rub affected area. Get medical attention if irritation develops and persists.				
Skin contact	Polymerises with evolution of heat. Bonded areas may be gently peeled apart using a blunt object such as a spoon. 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. Wash off immediately with soap and plenty of water for at least 15 minutes. 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	Ensure breathing passages are not obstructed. 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). Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.				
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).				
4.2. Most important symptoms an	d effects, both acute and delayed				
Symptoms	May cause redness and tearing of the eyes. Burning sensation.				
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

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	surrounding environment.
Unsuitable extinguishing media	No information available.
5.2. Special hazards arising from the	he 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 and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
SECTION 6: Accidental relea	ase measures
6.1. Personal precautions, protecti	ve equipment and emergency procedures
Personal precautions	Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. See section 8 for more information.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	
Environmental precautions	Prevent further leakage or spillage if safe to do so.
6.3. Methods and material for conta	ainment 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 st	orage

# 7.1. Precautions for safe handling

Advice on safe handling	Please refer also to Safety Data Sheet of Part B. 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. Take off contaminated clothing and wash it before reuse. Ensure adequate ventilation. Avoid breathing vapours or mists. In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations	Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

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### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

## 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

Derived No Effect Level (DNEL) 1,4-Benzenediol (123-31-9)				
worker Long term Systemic health effects	Dermal	3.33 mg/kg bw/d		
worker Long term Systemic health effects	Inhalation	2.1 mg/m <sup>3</sup>		

Derived No Effect Level (DNEL)					
1,4-Benzenediol (123-31-9)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
Consumer Long term Systemic health effects	Dermal	1.66 mg/kg bw/d			
Consumer Long term Systemic health effects	Inhalation	1.05 mg/m³			
Consumer Long term Systemic health effects	Oral	0.6 mg/kg bw/d			

Predicted No Effect Concentration No information available. (PNEC)

Predicted No Effect Concentration (PNEC)				
1,4-Benzenediol (123-31-9)				
Environmental compartment	Predicted No Effect Concentration (PNEC)			
Freshwater	0.57 μg/l			
Freshwater - intermittent	1.34 µg/l			
Marine water	0.057 μg/l			
Freshwater sediment	0.0049 mg/kg dry weight			
Marine sediment	0.00049 mg/kg dry weight			

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Soil	0.00064 mg/kg dry weight
Sewage treatment plant	0.71 mg/l
8.2. Exposure controls	
o.z. Exposure controls	
Engineering controls	Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.
Personal protective equipmen	t
Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand 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.

# SECTION 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Physical state Appearance Colour Odour Odour threshold	Liquid Liquid Colourless Characteristic Irritating No information available	
Property	Values	Remarks • Method
pH		
pH (as aqueous solution)	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling	= 169 - 187 °C	
range Flash point	= 103 °C	Cleveland Open Cup
Evaporation rate	No data available	Cleveland Open Cup
Flammability	Not applicable for liquids .	
Flammability Limit in Air		
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Vapour pressure	No data available	
Relative vapour density	No data available	
Relative density	No data available	
Water solubility	No data available	Polymerisation can occur
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	421 °C No data available	
Decomposition temperature Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive properties	No data available	
Oxidising properties	No data available	
9.2. Other information		
Solid content (%)	No information available	
VOC Content (%)		
Liquid Density	No data available	

SECTION 10: Stability and re	eactivity
10.1. Reactivity	
Reactivity	No information available.
10.2. Chemical stability	
Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical	None.
impact Sensitivity to static discharge	None.
10.3. Possibility of hazardous reac	tions
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 pr	oducts
Hazardous decomposition products	None under normal use conditions.
SECTION 11: Toxicological i	nformation
11.1. Information on toxicological	effects
Information on likely routes of exp	osure
Product Information	
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Bonds skin and eyes in seconds. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. Bonds skin and eyes in seconds. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Symptoms related to the physical,	chemical and toxicological characteristics
Symptoms	Redness. May cause redness and tearing of the eyes.

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Numerical measures of toxicity

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

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
ethyl-2-cyanoacrylate	>5000 mg/kg (Rattus) OECD	>2000 mg/Kg (Oryctolagus	<21.1 mg/L (Rattus) 1 h
7085-85-0	401	cuniculus) OECD 402	
6,6'-di-tert-butyl-2,2'-methylene	>10000 mg/kg (Rattus)	> 10000 mg/kg (Oryctolagus	
di-p-cresol		cuniculus)	
119-47-1			
1,4-Benzenediol	390 mg/kg (Rattus)	= 74800 mg/kg (Oryctolagus	
123-31-9		cuniculus)	

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

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation	Classification based on data available for ingredients. 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.
<b>-</b>	

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	European Union
1,4-Benzenediol	Muta. 2
123-31-9	

Carcinogenicity

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

Chemical name	European Union
1,4-Benzenediol	Carc. 2
123-31-9	

The table below indicates whether each agency has listed any ingredient as a carcinogen.

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.	
11.2. Information on other hazards		

# 11.2.1. Endocrine disrupting properties

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Endocrine disrupting properties	No information available.
11.2.2. Other information	
Other adverse effects	No information available.
Note:	Please refer also to Safety Data Sheet of Part B PC-ADH-8 Multi-component adhesives and sealants

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# **SECTION 12: Ecological information**

# 12.1. Toxicity

## Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
ethyl-2-cyanoacrylate 7085-85-0	polymerizes	polymerizes	-	-		
6,6'-di-tert-butyl-2,2'-m ethylenedi-p-cresol 119-47-1	-	LD50 (96h) >5mg/L	-	-		
1,4-Benzenediol 123-31-9	EC50: =0.335mg/L (72h, Pseudokirchneri ella subcapitata) EC50: =13.5mg/L (120h, Desmodesmus subspicatus)	<b>,</b>		EC50: =0.29mg/L (48h, Daphnia magna)	10	1

## 12.2. Persistence and degradability

Persistence and degradability No information available.

#### Component Information

Component information				
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (119-47-1)				
Method	Exposure time	Value	Results	
OECD Test No. 301C: Ready	28 days		0 % Not readily	
Biodegradability: Modified MITI Tes	st		biodegradable	
(I) (TG 301 C)				

## 12.3. Bioaccumulative potential

**Bioaccumulation** 

There is no data for this product.

## **Component Information**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1	>3.6	840
1,4-Benzenediol 123-31-9	0.5	40

### 12.4. Mobility in soil

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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).

Chemical name	PBT and vPvB assessment
ethyl-2-cyanoacrylate	The substance is not PBT / vPvB
7085-85-0	PBT assessment does not apply
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	The substance is not PBT / vPvB
119-47-1	
1,4-Benzenediol	The substance is not PBT / vPvB
123-31-9	PBT assessment does not apply

### 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 in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.
Waste codes / waste designations according to EWC / AVV	15 01 10*: Packaging containing residues of or contaminated by dangerous substances. 16 03 03* inorganic wastes containing hazardous substances. 16 05 05 gases in pressure containers other than those mentioned in 16 05 04. Waste codes should be assigned by the user based on the application for which the product was used.
European Waste Catalogue	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 or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environmental hazards 14.6 Special Provisions	Not regulated Not regulated Not regulated Not regulated Not applicable None
IMDG 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es)	Not regulated Not regulated Not regulated

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<ul><li>14.4 Packing group</li><li>14.5 Marine pollutant</li><li>14.6 Special Provisions</li><li>14.7 Transport in bulk according</li></ul>	Not regulated NP None to Annex II of MARPOL and the IBC Code Not applicable
Air transport (ICAO-TI / IATA-DGR	<del>/</del>
14.1 UN number or ID number	UN3334
14.2 Proper Shipping Name	Aviation regulated liquid, n.o.s (ethyl-2-cyanoacrylate)
14.3 Transport hazard class(es)	9
14.4 Packing group	
Description	UN3334, Aviation regulated liquid, n.o.s (ethyl-2-cyanoacrylate), 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 >=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

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#### France

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

Chemical name	French RG number
ethyl-2-cyanoacrylate	RG 66
7085-85-0	RG 65
1,4-Benzenediol	RG 65
123-31-9	

#### Germany

#### **Ordinance on Industrial Safety and Health - Germany - BetrSichV** No flammable liquids in accordance with BetrSichV

# TRGS - 510 Storage Class Storage Class 10 : Combustible liquids

#### Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands) Not Listed

DenmarkRegistration number(s) (P-no.)No information availableNorwayRegistration number(s) (PRN-no.)No information available

#### 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
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation
- H341 Suspected of causing genetic defects
- H351 Suspected of causing cancer
- H361f Suspected of damaging fertility
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects
- H413 May cause long lasting harmful effects to aquatic life

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

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STOT SE EWC	Specific target organ toxicity - Single exposure European Waste Catalogue	
Key literature references and sources for data No information available		
Prepared By	Product Safety & Regulatory Affairs	
Revision date	29-Sep-2020	
Indication of changes		
Revision note	First time release.	
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