(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**



 Version: 6
 Page 1 of 10

 Revision date: 13/11/2017
 Print date: 15/12/2017

## SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

### 1.1 Product identifier.

Product Name: VETROSMART

### 1.2 Relevant identified uses of the mixture and uses advised against.

Hydrophobic coating for glasses (shower-screens, windows, mirrors, etc.)

Professional use

### Uses advised against:

Uses other than those recommended.

### 1.3 Details of the supplier of the safety data sheet.

Company: Tecnología Navarra de Nanoproductos S.L.

Address: Área Industrial Perguita, Calle A, nº1

City: 31210 Los Arcos
Province: Navarra (SPAIN)
Telephone: +34 948 64 03 18
Fax: +34 948 64 03 19

E-mail: tecnan@tecnan-nanomat.es Web: www.tecnan-nanomat.es

1.4 Emergency telephone number: +34 948 64 03 18 (Only available during office hours; Monday-Friday; 08:00-18:00)

### **SECTION 2: HAZARDS IDENTIFICATION.**

### 2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

Flam. Liq. 2: Highly flammable liquid and vapour.

### 2.2 Label elements.

### Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



# Signal Word: **Danger**

H statements:

H225 Highly flammable liquid and vapour.

P statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or

shower].
P370+P378 In case of fire: Use ABC powder, CO2 or alcohol resistant foam to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container according to current, local/national legislation.

### 2.3 Other hazards.

The product may have the following additional risks:

N.D

(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**

Version: 6 Page 2 of 10 Revision date: 13/11/2017 Print date: 15/12/2017



### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

### 3.1 Substances.

Not Applicable.

### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

			(*)Classification - Regulation (EC) No 1272/2008	
Identifiers	Name	Concentrate	Classification	specific concentration limit
Index No: 603-002- 00-5 CAS No: 64-17-5 EC No: 200-578-6 Registration No: 01- 2119457610-43-XXXX	[1] ethanol,ethyl alcohol	>90 %	Flam. Liq. 2, H225	-
Index No: 607-002- 00-6 CAS No: 64-19-7 EC No: 200-580-7 Registration No: 01- 2119475328-30-XXXX	[1] acetic acid	≤1 %	Flam. Liq. 3, H226 - Skin Corr. 1A, H314	Skin Corr. 1A, H314: C ≥ 90 % Skin Corr. 1B, H314: 25 % ≤ C < 90 % Skin Irrit. 2, H315: 10 % ≤ C < 25 % Eye Irrit. 2, H319: 10 % ≤ C < 25 %

<sup>(\*)</sup> The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

### **SECTION 4: FIRST AID MEASURES.**

### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

### Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

No known acute or delayed effects from exposure to the product.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

<sup>[1]</sup> Substance with a Community workplace exposure limit (see section 8.1).

(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**

Version: 6 Page 3 of 10 Revision date: 13/11/2017 Print date: 15/12/2017



### **SECTION 5: FIREFIGHTING MEASURES.**

The product is Highly inflammable, it can cause or considerably worsen a fire, the necessary prevention measures should be taken and risks avoided. In case of fire, the following measures are recommended:

### 5.1 Extinguishing media.

### Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

### Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

### 5.2 Special hazards arising from the mixture.

### Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES.**

### 6.1 Personal precautions, protective equipment and emergency procedures.

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

### 6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

### 6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

### **SECTION 7: HANDLING AND STORAGE.**

### 7.1 Precautions for safe handling.

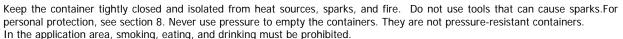
The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use antistatic footwear and clothing, and floors must be conductors.

(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**

Version: 6 Page 4 of 10 Revision date: 13/11/2017 Print date: 15/12/2017



Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

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

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III):

		Qualifying quantity (tonnes) for the application of	
Code	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5.000	50.000

### 7.3 Specific end use(s).

None

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

### 8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m³
athonal athul alashal	44 17 E	United	Eight hours	1000	1920
ethanol,ethyl alcohol	64-17-5 Kingdon	Kingdom [1]	Short term		
anotic sold	64-19-7	European	Eight hours	10	25
acetic acid	04-19-7	Union [2]	Short term		

<sup>[1]</sup> According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adobted by Health and Safety Executive.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Туре	Value
ethanol,ethyl alcohol	DNEL	Inhalation, Long-term, Systemic effects	950
CAS No: 64-17-5	(Workers)		(mg/m³)
EC No: 200-578-6			_
acetic acid	DNEL	Inhalation, Long-term, Local effects	25
CAS No: 64-19-7	(Workers)		(mg/m³)
EC No: 200-580-7			

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
	Fresh water	0,96 (mg/L)
	Marine water	0,79 (mg/L)
ethanol,ethyl alcohol	aqua (intermittent releases)	2,75 (mg/L)
CAS No: 64-17-5	Soil	0,63 (mg/kg
EC No: 200-578-6		soil dw)
	sediment (freshwater)	3,6 (mg/kg
		sediment dw)

<sup>[2]</sup> According both Binding Occupational Esposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.

(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**



PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

### 8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %			
	Nanoparticle-based coating with varied functionalities (water repellent, anti stain, rain			
Uses:	repellent, anticorrosion) Professional use			
Breathing protect				
PPE:	Filter mask for protection against gases and particles.			
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.			
CEN standards:	EN 136, EN 140, EN 405			
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor. Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach			
Observations:	the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.			
Filter Type needed:	A2			
Hand protection:				
PPE: Characteristics:	Non-disposable protective gloves against chemicals. «CE» marking, category III. Check the list of chemicals for which the glove has been tested.			
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420			
Maintenance:	A schedule for the periodical replacement of gloves should be established in order to guarantee their replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous			
Observations:	than not using gloves, since the pollutant can gradually accumulate in the glove's material.  They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could reduce their strength.			
Material:	PVC (polyvinyl chloride) Breakthrough time (min.): A80 Material thickness (mm): 0,35			
Eye protection:				
PPE:	Protective goggles with built-in frame.			
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against splashing liquid, dust, smoke, fog and vapour.			
CEN standards:	EN 165, EN 166, EN 167, EN 168			
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.			
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.			
Skin protection:	Sordping vio.			
PPE:	Anti-static protective clothing.			
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.			
CEN standards:	EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5			
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.			
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.			
PPE:	Anti-static safety footwear.			
Characteristics: CEN standards:	«CE» marking, category II. EN ISO 13287, EN ISO 20344, EN ISO 20346			
Maintenance: Observations:	The footwear should be checked regularly  The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.			

(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**

 Version: 6
 Page 6 of 10

 Revision date: 13/11/2017
 Print date: 15/12/2017

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

## 9.1 Information on basic physical and chemical properties.

Appearance:Liquid
Colour: incolor
Odour:of alcohol

Odour threshold: N.A./N.A.

pH:N.A./N.A.

Melting point: N.A./N.A.
Boiling Point: 78 °C
Flash point: <=21 °C
Evaporation rate: N.A./N.A.

Inflammability (solid, gas): N.A./N.A.

Upper Explosive Limit: N.A./N.A.

Upper Explosive Limit: N.A./N.A.

Vapour pressure: N.A./N.A.

Vapour density:N.A./N.A.

Relative density:0,79 g/cm³

Solubility:N.A./N.A.

Liposolubility: N.A./N.A.

Hydrosolubility: Incompatible con el agua Partition coefficient (n-octanol/water): N.A./N.A.

Auto-ignition temperature: N.A./N.A. Decomposition temperature: N.A./N.A.

Viscosity: N.A./N.A.

Explosive properties: N.A./N.A. Oxidizing properties: N.A./N.A.

N.A./N.A. = Not Available/Not Applicable due to the nature of the product

### 9.2 Other information.

Pour point: N.A./N.A. Blink: N.A./N.A.

Kinematic viscosity: N.A./N.A.

N.A./N.A. = Not Available/Not Applicable due to the nature of the product

## **SECTION 10: STABILITY AND REACTIVITY.**

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Unstable in contact with:

- Acids.
- Bases
- Oxidizing agents.

## 10.3 Possibility of hazardous reactions.

In certain conditions this may cause a polymerization reaction.

### 10.4 Conditions to avoid.

Avoid the following conditions:

- Heating.
- High temperature.
- Contact with incompatible materials.

### 10.5 Incompatible materials.

Avoid the following materials:

- Acids.
- Bases.
- Oxidizing agents.

## 10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- COx (carbon oxides).

(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**

 Version: 6
 Page 7 of 10

 Revision date: 13/11/2017
 Print date: 15/12/2017

- Organic compounds.

### **SECTION 11: TOXICOLOGICAL INFORMATION.**

### 11.1 Information on toxicological effects.

There are no tested data available on the product.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

a) acute toxicity;

Not conclusive data for classification.

b) skin corrosion/irritation;

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

c) serious eye damage/irritation;

Not conclusive data for classification.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Not conclusive data for classification.

h) STOT-single exposure;

Not conclusive data for classification.

i) STOT-repeated exposure;

Not conclusive data for classification.

j) aspiration hazard;

Not conclusive data for classification.

### **SECTION 12: ECOLOGICAL INFORMATION.**

### 12.1 Toxicity.

There is no information available on the biodegradability of the substances present.

## 12.2 Persistence and degradability.

There is no information available on the degradability of the substances present.

No information is available regarding the degradability of the substances present. No information is available about persistence and degradability of the product.

### 12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
ivanie	Log Pow	BCF	NOECs	Level
ethanol,ethyl alcohol	-0,3	-	-	Very low
N. CAS: 64-17-5 EC No: 200-578-6				

(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**



 Version: 6
 Page 8 of 10

 Revision date: 13/11/2017
 Print date: 15/12/2017

acetic acid		0.17			Vory low
N. CAS: 64-19-7	EC No: 200-580-7	-0,17	-	-	Very low

### 12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

### 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

### **SECTION 13 DISPOSAL CONSIDERATIONS.**

### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

### **SECTION 14: TRANSPORT INFORMATION.**

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading **Air:** Transport by plane: ICAO/IATA. Transport document: Airway bill.

## 14.1 UN number.

UN No: UN1170

### 14.2 UN proper shipping name.

Description:

ADR: UN 1170, ETHANOL (ETHYL ALCOHOL), 3, PG II, (D/E) IMDG: UN 1170, ETHANOL (ETHYL ALCOHOL), 3, PG II (21°C) ICAO/IATA: UN 1170, ETHANOL (ETHYL ALCOHOL), 3, PG II

## 14.3 Transport hazard class(es).

Class(es): 3

### 14.4 Packing group.

Packing group: II

## 14.5 Environmental hazards.

Marine pollutant: No

### 14.6 Special precautions for user.

Labels: 3



(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**

Version: 6 Revision date: 13/11/2017 Print date: 15/12/2017



Page 9 of 10

Hazard number: 33 ADR LQ: 1 L IMDG LQ: 1 L

ICAO LQ: 1 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E,S-D

Proceed in accordance with point 6.

## 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.

The product is not transported in bulk.

### **SECTION 15: REGULATORY INFORMATION.**

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

Product Subcategory (Directive 2004/42/EC): Special finishes (All types)

Phase I\* (from 01/01/2007): 840 g/l Phase II\* (from 01/01/2010): 840 g/I

(\*) g/l ready to use

VOC content (p/p): 97,248 % VOC content: 768,259 g/l

The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): P5c

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

### 15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## **SECTION 16: OTHER INFORMATION.**

Complete text of the H phrases that appear in section 3:

Highly flammable liquid and vapour. H225 H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

Classification codes:

Flam. Liq. 2: Flammable liquid, Category 2 Flam. Liq. 3: Flammable liquid, Category 3 Skin Corr. 1A: Skin Corrosive, Category 1A

Sections changed compared with the previous version:

1,2,3,8,9,14,16

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

(in accordance with Regulation (EU) 2015/830)

## **VETROSMART**



 Version: 6
 Page 10 of 10

 Revision date: 13/11/2017
 Print date: 15/12/2017

Abbreviations and acronyms used:

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

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be

considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not

anticipated.

EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.
IMDG: International Maritime Code for Dangerous Goods.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

Log Pow: Logarithm of the partition octanol-water. NOEC: No observed effect concentration.

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are

not expected in the environmental compartment.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

http://eur-lex.europa.eu/homepage.html

http://echa.europa.eu/

Regulation (EU) 2015/830. Regulation (EC) No 1907/2006. Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.