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**Technical package**

**Dossier Técnico**  
**25/08/2023**

## GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)

### PRODUCT SPECIFICATION

Product Name	INCI Name	EINECS Number	CAS Code
GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)	Grape, red, ext.	284-511-6	84929-27-1

Product Name	Vitis vinifera Extract Proanthocyanidins > 95%
Botanical Source	Vitis vinifera L.
Appearance	Red brown powder
Odor	Characteristic
Taste	Characteristic
Part Used	Seed
Extract Solvent	Ethanol & Water
Excipient	None
Particle Size	100% Through 80 mesh
Bulk Density	0.40 g/ml-0.55g/ml

### MAKER COMPOUNDS

Proanthocyanidins	≥ 95%
OPCs	Report Only
Monomers	Report Only
GA	Report Only
C	Report Only
EC	Report Only
ECG	Report Only

### CHEMICAL TEST

Loss on Drying	≤ 3.00%
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### PRODUCT SPECIFICATION

Ash content	≤ 1.50%
HEAVY METALS	≤ 8.0 ppm
Lead	≤ 1.0 ppm
Arsenic	≤ 0.5 ppm
Cadmium	≤ 0.1 ppm
Mercury	≤ 0.1 ppm
Benzo(a)pyrene	≤ 10µg/kg
Sum of PAH4 (Pbenzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene)	≤ 50µg/kg
MICROBIOLOGICAL TESTS	
Total Plate Count	≤ 1000 cfu/g
Yeast and mould	≤ 100 cfu/g
E. Coli	Negative/g
Salmonella	Negative/25g
Staphylococcus	Negative/g
Aflatoxins (B1,B2,G1,G2)	≤ 0.2 PPB

Storage: Store in cool and dry place, keep away from strong light and heat.

Genetic Modification State: This product is GMO free products.

Free Radiation Effect: This product is not been irradiated.



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## GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)

### GENERAL PRODUCT INFORMATION

Tapped density	0.45 g/ml
Bulk density	about 0.42g/ml
Water solubility	Part soluble in water
Type of Manufacturing process (Synthesis, Fermentation, Extraction, etc.)	Grape Seed
Specific Origin of the product (Animal, Vegetal, etc.)	Vegetal
Is the product FREE of GLUTEN?	Yes
Approximate Extraction Range of the Product	75:1
Solvents used during the extraction process and their %	20% Ethanol & 80% Water
Is the product suitable for vegans?	Yes
Is the product suitable for vegetarians?	Yes
Is the product free of fructose?	Yes
Is this product suitable for food?	Yes
Is this product suitable for feed of animals?	No
Can the product be used in baby food (according to Regulation (EU) N° 609/2013, Commission Delegated Regulation (EU) 2016/127, Commission Delegated Regulation (EU) 2021/572 and amendments)?	No
Is this product considered Novel Food?	No
Melting point	197-198°C
Country of origin of the raw material/s of the product	White Grapes Seed from Italy and France
Storage conditions (in the warehouse)	Store in cool and dry place, keep away from strong light and heat.



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **GENERAL PRODUCT INFORMATION**

Additional information about the product:

Ratio grape seed to grape seed dried 225:1

Ratio grape seed dried to grape seed extract 75:1

The content of quercetin is less than 0.5%.

#### **PYRROLIZIDEINE ALKALOIDS STATEMENT**

This product is compliant with UE Commission Regulation 2020/2040:

- Pyrrolizidine alkaloids <400µg/kg

REACH REGISTRATION: Not needed for Food & Food Supplement Ingredient.

NMPA REGISTRATION (as Ingredient for Cosmetic Industry according to Chinese Law): Not available.



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **TECHNICAL PRODUCT INFORMATION**

Name of the product	Proantho Cyanidins (PC)
IUPAC name	Proantho Cyanidins (PC)
Molecular Formula	C30H12O6
Molecular mass	468.42 g/mol
Country of the factory (Manufacturing site)	China
Raw materials used for the manufacture of this product and their function	Grape Seed, have excellent antioxidation property
Frequency of analysis of each contaminant?	Every batch
Frequency of analysis of microbiology?	Every batch
Frequency of analysis of each heavy metal?	Every 1 month



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **FOREIGN MATERIAL**

Explanation of actions taken during the manufacturing process of this product to reduce the risk of appearance of foreign material:

Metal detector	Yes	The outer packing stage
Sieve	Yes	Crushing screening process
Filter	Yes	After extraction process
X-Ray	No	
Other	No	



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **INGREDIENTS**

In accordance with the EU Regulation 1169/2011, amending EU Regulation 1924/2006 and EU Regulation 1925/2006, the following ones are the ingredients and their content (in %) in this product.

Grape seed extract	100%
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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **BSE/TSE**

This product does not contain and is not derived from Specified Risk Material as defined in European Commission Directive (and its amendments) and is therefore conform with the EU legislation relating to the risk of Transmission of Spongiform Encephalopathy (TSE).

### **GMO**

The following EU regulations have been published in the Official Journal of the European Union in this subject:

- Regulation (EC) No.1829/2003 of the European Parliament and the Council of 22 September 2003 on genetically modified food and feed.

- Regulation (EC) No.1830/2003 of the European Parliament and the Council of 22 September 2003 concerning tractability and labeling on genetically modified organisms and tractability of food and feed products produced from genetically modified organisms and amending Directive 2001/18/EC.

This product has not been genetically modified so there is no obligation of GMO labeling as defined by the above mentioned regulations.

### **NON IRRADIATION/NON IONIZED**

According to directives 1992/2/EC and 1999/3/EC, we confirm that this product is not made from irradiated/ionized raw materials and that this product was not irradiated/ionized.





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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **PESTICIDES**

To our actual knowledge of the production process, of the raw materials and of the equipment used, the potential pesticide residues in this product comply with the European legislation on pesticide residues (esp. Regulation (EC) No. 396/2005 and amendments). However, we do not test for pesticide residues on a routine basis.

### **RESIDUAL SOLVENTS**

The product meets with:

- DIRECTIVE 2009/32/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 23 April 2009 on the approximation of the laws of the Member States on extraction solvents used in the production of foodstuffs and food ingredients
- DIRECTIVE 2010/59/EU of 26 August 2010 amending Directive 2009/32/EC of the European Parliament and of the Council on the approximation of the laws of the Member States on extraction solvents used in the production of foodstuffs and food ingredients.

### **CONTAMINANTS**

The product is in accordance and meets with the Commission Regulation (EU) No. 2023/915 setting maximum levels for certain contaminants in foodstuffs.

### **PCBS AND MELAMINE**

This product is in accordance and meets with the Commission Regulation (EU) No. 2023/915 as regards the maximum levels of the contaminants Ochratoxin A, non-dioxin-like PCBS and melamine in foodstuffs.

### **ANTI-DOPING**

As per the list of 2012 of the World Anti-Doping Agency, the ingredient is not a doping substance or a combination of doping substances. The ingredient does not contain any doping substance. The ingredient does not result from a doping substance.

As per the list of 2016 of the World Anti-Doping Agency, the ingredient is not a doping substance or a combination of doping substances. The ingredient does not contain any doping substance. The ingredient does not result from a doping substance.

### **NANOMATERIALS**

According to the definition of 'Nanomaterials' of the UE Regulation No 1169/2011 of the European Parliament and of the Council of 25th of October 2011 (amending Commission Regulation (EC) 1924/2006 and Commission Regulation (EC) 1925/2006) on the provision of food information to consumers, we hereby attest that no nanomaterials are used in the manufacture, in the formulation nor in the packaging materials of this product.



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **PACKING**

We confirm that the packing used for this product is in compliance with:

- Regulation (EC) No. 1935/2004 of the European Parliament and of the Council of 27th of October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC
- Commission Regulation (EU) No. 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food.

### **ETHYLENE OXIDE (ETO) & 2-CHLORO-ETHANOL**

Ethylene Oxide (& 2-Chloroethanol) is not used in any phases of the process of manufacture or storage of this product. This product does not enter in contact with Ethylene Oxide (& 2-Chloroethanol) in any phases of the process of manufacture or of storage. Therefore, this product is compliant with the limit established in Commission Regulation (EC) No. 396/2005.



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **ALLERGENS**

In accordance with Regulation (EU) No. 1169/2011, amending Commission Regulation (EC) No. 1924/2006 and Commission Regulation (EC) No. 1925/2006, we confirm the following information:

Does this product contain or is derived from or could be cross-contaminated by any of the following allergens?

Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybeans and products thereof (with exceptions established in Annex II)	No
Milk and products thereof (including lactose) (with exceptions established in Annex II)	No
Nuts (i.e. almond, hazelnut, walnut, cashew, pecan nut, Brazil nut, pistachio nut, macadamia nut and Queensland nut) and products thereof (with exceptions established in Annex II)	No
Celery and products thereof	No
Mustard and products thereof	No
Sesame seeds and products thereof	No
Sulphur dioxide and sulphite at concentrations of more than 10 mg/kg or 10 mg/l expressed as SO <sub>2</sub>	No
Lupine and products thereof	No
Molluscs and products thereof	No



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### ALBA LIST (ALLERGENS)

Note: 'Yes' means that there is contamination from

- 1) recipe contents,
- 2) other products handled on the same production line or
- 3) other products handled at same side.

	Cross contamination (mg/kg)?	Where?
Cow milk protein	No	-
Lactose	No	-
Chicken egg	No	-
Soya protein	No	-
Soya oil	No	-
Gluten	No	-
Wheat	No	-
Rye	No	-
Cattle	No	-
Pork	No	-
Chicken	No	-
Fish	No	-
Shellfish and Crustaceae	No	-
Corn	No	-
Cocoa	No	-
Leguminous plants	No	-
Nuts	No	-
Nut oil	No	-
Peanut	No	-
Peanut oil	No	-
Sesame	No	-
Sesame oil	No	-
Glutamate	No	-
Sulphide (E220 to E228)	No	-
Coriander	No	-
Celery	No	-
Carrot	No	-
Lupines	No	-

Part or total information is provided as received from our supplier. The data outlined and the Statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information it is suggested that you analyze the product on a laboratory scale prior to use in a finished product. The information contained herein should not be construed as permission for violation of patent rights.



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **RESIDUE LIMITS (GELATIN, COLLAGEN)**

We herewith certify that this product in compliance with: Commission Regulation (EU) No. 2016/355 of 11st of March 2016, amending Annex III to Commission Regulation (EC) No. 853/2004 of the European Parliament and of the Council as regards the specific requirements for gelatine, collagen and highly refined products of animal origin intended for human consumption.

### **HYGIENE OF FOODSTUFFS**

We herewith certify that this product complies with Commission Regulation (EC) No. 852/2004 of the European Parliament on the hygiene of foodstuffs and all its amendments.

### **FULL TRACEABILITY**

This product complies with the full traceability criteria as mentioned in Commission Regulation (EC) No. 178/2002 of the European Parliament and of the Council of 28th of January 2002, laying down the general principles and requirements of food law, establishing the European food safety authority and laying down procedures in matters of food safety.



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **FACTORY ACCREDITATIONS/CERTIFICATIONS**

ISO 9001	Yes
ISO 22000	Yes
HACCP	No
GMP	No
FAMI QS	No
Other accreditations/certifications	FSSC22000



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **NON ANIMAL TESTING**

We certify that the product has not been tested on animals.



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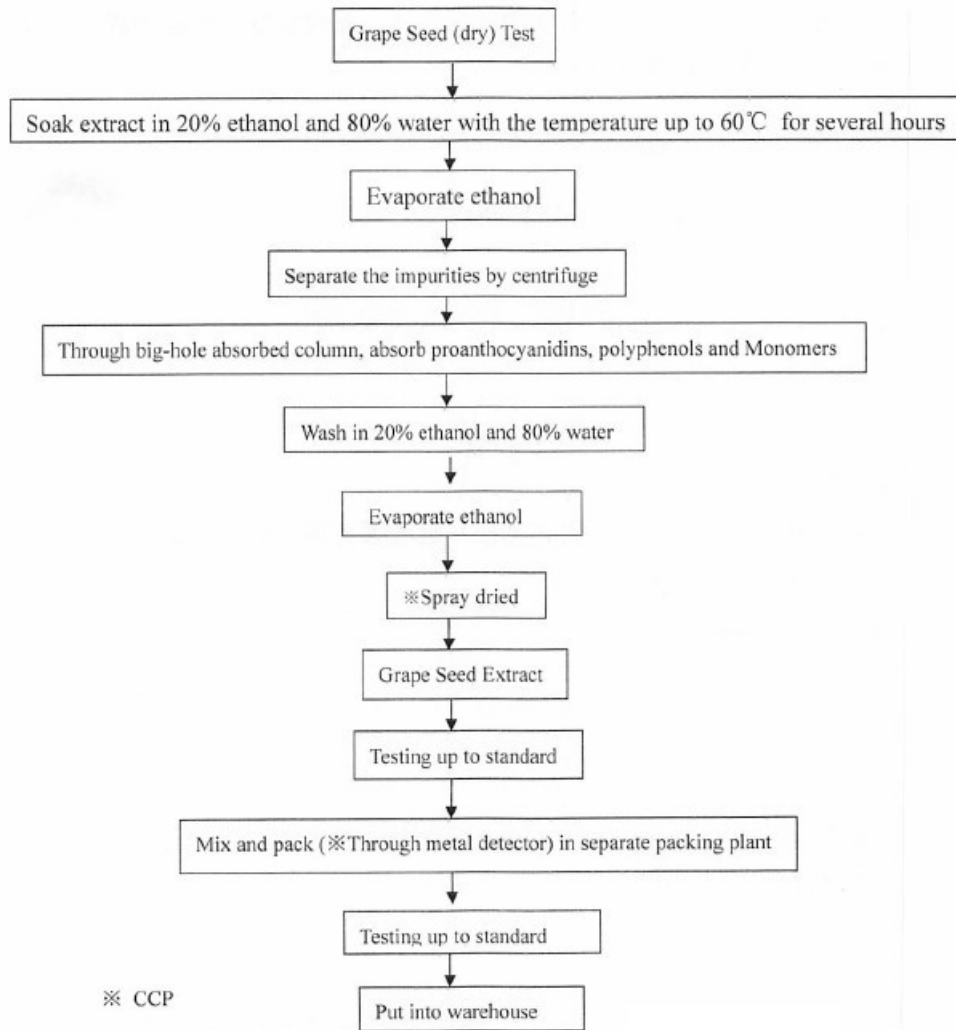
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## GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)

### Flow Chart







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**Material Safety Data  
Sheet**

**Documento MSDS  
26/05/2022**

## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **MSDS (Material Safety Data Sheet)**

#### SECTION 1: Chemical Product and Company Identification

Product Name: GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)  
CAS Number: 84929-27-1

#### Supplier Information:

Productos Químicos Gonmisol S.A.  
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#### SECTION 2: Hazards identification

##### A. GHS Classification

Not classified

##### B. Label elements

Symbols/Pictograms None

Signal word None

Hazard Statements Not applicable

Precautionary Statements Not applicable

##### C. Other hazards

No information available

#### SECTION 3: Composition/information on ingredients

Chemical Name Proanthocyanidins

CAS No 4852-22-6

Weight-% 97.59%

#### SECTION 4: First aid measures

##### A. Eye contact

Not an expected route of exposure. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **If eye irritation persists:** Get medical advice/attention.

##### B. Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. **If skin irritation persists,** call a physician.

##### C. Inhalation

Not an expected route of exposure. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. (Get medical attention immediately if symptoms occur.).

##### D. Ingestion



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **MSDS (Material Safety Data Sheet)**

Rinse mouth.  
E. Note to physicians  
Treat symptomatically

#### SECTION 5: Firefighting measures

##### A. Extinguishing media

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

Unsuitable extinguishing media No information available

##### B. Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and fume

##### C. Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear

#### SECTION 6: Accidental release measures

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

Ensure adequate ventilation, especially in confined areas

Remove all sources of ignition

Avoid creating dust

Use personal protection recommended in Section 8

##### B. Environmental precautions

Avoid release to the environment

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

Take up mechanically, placing in appropriate containers for disposal

#### SECTION 7: Handling and storage

##### A. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice

Ensure adequate ventilation, especially in confined areas

Avoid contact with skin and eyes

Avoid generation of dust

Wash thoroughly after handling

Use personal protection recommended in Section 8

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

Keep container tightly closed in a dry and well-ventilated place

Keep away from heat

Store in accordance with local regulations

Keep away from food, drink and animal feeding stuffs



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**Documento MSDS  
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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **MSDS (Material Safety Data Sheet)**

#### SECTION 8: Exposure controls/personal protection

##### A. Control parameters

Not established

##### B. Appropriate engineering controls

Use with local exhaust ventilation Ensure adequate ventilation, especially in confined areas

##### C. Personal Protective Equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment

Eye/face protection No special technical protective measures are necessary

Hand Protection Wear protective gloves when handling

Skin and body protection Suitable protective clothing

#### SECTION 9: Physical and chemical properties

For this information, please, refer directly to the Certificate of Analysis OR Specifications

#### SECTION 10: Stability and reactivity

##### A. Chemical stability

Stable under normal conditions

##### B. Possibility of Hazardous Reactions

None under normal processing

##### C. Conditions to avoid

Strong heating, and avoid sunshine light

##### D. Incompatible materials

None known based on information supplied.

##### E. Hazardous Decomposition Products

None under normal use conditions

#### SECTION 11: Toxicological information

##### A. Information on likely routes of exposure

Likely routes of exposure are inhalation, ingestion, skin contact.

##### B. Health hazards

Acute toxicity

No data available

Skin corrosion/irritation

Non-irritating to the skin

Serious eye damage/eye irritation



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## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **MSDS (Material Safety Data Sheet)**

No eye irritation  
Sensitization  
No sensitization responses were observed  
Carcinogenicity  
Not classified  
Germ cell mutagenicity  
No information available  
Reproductive toxicity  
No information available  
STOT - single exposure  
No information available  
STOT - repeated exposure  
No information available  
Aspiration hazard  
No information available

#### SECTION 12: Ecological information

A. Ecotoxicity  
No data available  
B. Persistence and degradability  
No information available.  
C. Bioaccumulation  
No information available.  
D. Mobility  
No information available.  
E. Other adverse effects  
No information available

#### SECTION 13: Disposal considerations

A. Disposal  
Disposal should be in accordance with applicable regional, national and local laws and regulations  
Dispose of in accordance with federal, state and local regulations  
B. Disposal considerations  
Dispose of contents/containers in accordance with local regulations

#### SECTION 14: Transport information

A. UN/ID No. Not regulated



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**Material Safety Data  
Sheet**

**Documento MSDS  
26/05/2022**

## **GRAPE SEED EXTRACT (VITIS VINIFERA) (95% PROANTHOCYANIDINS)**

### **MSDS (Material Safety Data Sheet)**

- B. Proper shipping name Not regulated
- C. Hazard Class Not regulated
- D. Packing Group Not regulated
- E. Marine pollutant Not applicable
- F. Special precautions No information available

#### SECTION 15: Regulatory information

- A. Industrial Safety and Health Law No information available
- B. Toxic Chemicals Control Law No information available
- C. Dangerous Substances Safety Management Act No information available
- D. Wastes Management Disposal should be in accordance with applicable regional, national and local laws and regulations
- E. Other Regulations

#### SECTION 16: Other information

- A. Source Information No information available
- B. Issue Date 16-Mar-2015
- C. Revision date 16-Mar-2021
- Version 4
- D. Other information

The information provided in this Material 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