



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

Revision date 15-Apr-2024

Revision Number 1

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

1.1. Product identifier

Product Name ANTISOL™ FL 100 Polyanionic Cellulose Polymer

Product Code(s) 61055819

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

Recommended use Industrial

Uses advised against None under normal use conditions

1.3. Details of the supplier of the safety data sheet

Supplier

Nutrition & Biosciences Netherlands B.V.
Willem Einthovenstraat 4
2342 BH Oegstgeest The Netherlands
Tel.: +31 71 5686 168
Fax: +31 71 5686 169

E-mail address

sds.genencor@iff.com

1.4. Emergency telephone number

See section 16 for more information

Emergency Telephone - §45 - (EC)1272/2008

Poison control centre phone number

Italy:
Telephone numbers of the main poison control centers (CAV) active 24/24h:
CAV "Osp. Pediatrico Bambino Gesù", Piazza Sant'Onofrio 4, 00165 Roma, Tel. 0668593726
Az. Osp. Univ. Foggia, Via le Luigi Pinto 1, 71122 Foggia, Tel. 800183459
Az. Osp. "A. Cardarelli", Via A. Cardarelli 9, 80131 Napoli, Tel. 081-5453333
CAV Policlinico "Umberto I", Via le del Policlinico 155, 00161 Roma, Tel. 06-49978000
CAV Policlinico "A. Gemelli" Largo Agostino Gemelli 8, 00168 Roma, Tel. 06-3054343
Az. Osp. "Careggi" U.O. Tossicologia Medica, Largo Brambilla 3, 50134 Firenze, Tel. 055-7947819
CAV Centro Nazionale di Informazione Tossicologica, Via Salvatore Maugeri 10, 27100 Pavia, Tel. 0382-24444
Osp. Niguarda Ca' Granda, Piazza Ospedale Maggiore 3, 20162 Milano, Tel. 02-66101029
Azienda Ospedaliera Papa Giovanni XXII, Piazza OMS 1, 24127 Bergamo, Tel. 800883300
Azienda Ospedaliera Integrata Verona, Piazzale Aristide Stefani 1, 37126 Verona, Tel. 800011858

Austria: +43 (0) 14064343
Belgium: +32 (0) 70245245
Bulgaria: +359 2 9154 233
Croatia: +3851 2348 342

	Cyprus: 1401 (only from within Cyprus) Czech Republic: +420 224 919 293 Denmark: +45 8212 1212 Estonia: +372 7943 794 Finland: +0800 147 111 (only from within Finland) France: + 33 (0)1 45 42 59 59 Germany: +49 (0) 55119240 Greece: +30 2107793777 Hungary: +36-80-201-199 Iceland: +543 1000 (only from within Iceland) Ireland: +353 (0) 18379964 Latvia: +371 67042473 Liechtenstein: +41 442 515 151 Lithuania: +370 (85) 2362052 Luxembourg: (+352) 8002 5500 Malta: +2122 4071 (only from within Malta) the Netherlands: +31 (0)88 755 8000 (only for medical professionals) Norway: +22 59 13 00 (only from within Norway) Poland: +48 (22) 6 19 08 97 Portugal: +351 800 250 250 Romania: +40213183606 Slovakia: +421 2 5477 4166 Slovenia: +386 (0) 1 522 50 50 Spain: +34 91 562 04 20 Sweden: +010-456 6700 (only from within Sweden for less urgent cases; urgent cases: 112) Switzerland: +41 442 515 151
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Regulation (EC) No 1272/2008

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.3. Other hazards

WARNING. May form combustible dust concentrations in air. 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

3.2 Mixtures Not applicable

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Sodium carboxymethylcellulose 9004-32-4	90 - 95	No data available		Not classified	-	-	-

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

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Sodium carboxymethylcellulose 9004-32-4	= 27000 mg/kg (Rat)	>2 g/kg (Rabbit)	5.8	No data available	No data available

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	When in doubt or if symptoms are observed, get medical advice.
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
Eye contact	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.
Skin contact	IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
Ingestion	IF SWALLOWED: Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.

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

Symptoms	Get medical attention if irritation or other symptoms occur.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Foam. Dry powder. Water spray. Carbon dioxide (CO2).

Unsuitable extinguishing media Keep product and empty container away from heat and sources of ignition. Do not use water jetstream.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous combustion products Smoke production.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Use personal protection recommended in Section 8. Sweep up to prevent slipping hazard.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Clean contaminated objects and areas thoroughly observing environmental regulations.

6.3. Methods and material for containment and cleaning up

Methods for containment Avoid dust formation. Sweep up and shovel into suitable containers for disposal.

Methods for cleaning up Use industrial vacuum cleaners approved for combustible dust and area electrical classification.

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Avoid generation of dust and aerosols. Avoid contact with eyes, skin and clothing. Minimise dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on

horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA- 654).

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep/store only in original container. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Specific use(s) See section 1 for more information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits Based on data available for ingredients

Chemical name	European Union	France	Spain	Germany TRGS	Czech Republic
Dust, non-specific	-	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³	-	-

Chemical name	Italy MDLPS	Portugal	Netherlands	Finland	Denmark
Dust, non-specific	-	TWA: 10 mg/m ³ TWA: 3 mg/m ³	-	-	-

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Dust, non-specific	-	-	-	TWA: 10 mg/m ³ TWA: 5 mg/m ³ STEL: 20 mg/m ³ STEL: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³

Chemical name	Belgium	Sweden	Croatia	Greece	Romania
Dust, non-specific	TWA: 3 mg/m ³ TWA: 10 mg/m ³	-	-	-	-

8.2. Exposure controls

Engineering controls Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder or Granules	
Physical state	Solid	
Colour	White to off-white	
Odour	Odourless	
Odour threshold	No information available	
Property	Values	Remarks • Method
pH	6.5 - 8.5	1 % aqueous solution
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	No data available	CC (closed cup)
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	May form combustible dust concentrations in air
Flammability Limit in Air		Not applicable to Solids
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	None known
Relative vapour density	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Liquid Density	No data available	
Water solubility	No data available	Soluble
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	170 °C	Key literature references and sources for data
Decomposition temperature	135	Differential Scanning Calorimetry (DSC) Decomposes on heating
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	Solid
Particle characteristics		
Particle Size		Not applicable
Particle Size Distribution		Not applicable

9.2. Other information

Softening point No data available

9.2.1. Information with regards to physical hazard classes

Not applicable

Explosive properties No data available.

9.2.2. Other safety characteristics

Sensitivity to mechanical impact No

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 No.
Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Product Information

Acute toxicity

Inhalation No information or data specific to the product on this toxicological (health) effect is available.

Eye contact No information or data specific to the product on this toxicological (health) effect is available.

Skin contact No information or data specific to the product on this toxicological (health) effect is available.

Ingestion No information or data specific to the product on this toxicological (health) effect is available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Get medical attention if irritation or other symptoms occur.

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

Respiratory or skin sensitisation No information available.

Germ cell mutagenicity No information available.

Carcinogenicity 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.

Numerical measures of toxicity

Component Information Classification based on data available for ingredients

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carboxymethylcellulose	-	-	> 5800 mg/m ³ (Rat) 4 h

Sodium carboxymethylcellulose 9004-32-4

Eye irritation	May cause slight irritation
Skin irritation	Not expected
Respiratory irritation	Not expected
Sensitisation	Not expected
Reproductive effects	Not expected
Mutagenic effects	Not expected
Systemic Toxicity	Not expected
Carcinogenicity	Not expected
Teratogenicity	Not expected

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information**12.1. Toxicity****Ecotoxicity** Based on data available for ingredients.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium carboxymethylcellulose 9004-32-4	ErC50: >500 mg/l (Selenastrum capricornutum)	LC50: 1,414 mg/l (zebra fish)	-	EC50: 1,414 mg/l (Daphnia magna)

12.2. Persistence and degradability**Persistence and degradability** Based on data available for ingredients.

Chemical name	Biodegradation
Sodium carboxymethylcellulose 9004-32-4	Not readily biodegradable (0% after 28 days).

12.3. Bioaccumulative potential**Bioaccumulative potential** Based on data available for ingredients**Component Information** Based on data available for ingredients**12.4. Mobility in soil****Mobility in soil** No information available.**12.5. Results of PBT and vPvB assessment****PBT and vPvB assessment** Based on data available for ingredients**12.6. Endocrine disrupting properties****Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.**12.7. 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 wastes in an approved waste disposal facility. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.**Contaminated packaging** Dispose of empty containers and wastes safely. Dispose of waste product or used containers according to local regulations.**SECTION 14: Transport information**

IATA

- 14.1 UN number or ID number Not regulated
- 14.2 Extended 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 Precautions for Users
Special Provisions None

IMDG

- 14.1 UN number or ID number Not regulated
- 14.2 EPNM 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 Precautions for Users
Special Provisions None
- 14.7 Maritime transport in bulk according to IMO instruments No information available

RID

- 14.1 UN number Not regulated
- 14.2 Extended 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 Precautions for Users
Special Provisions None

ADR

- 14.1 UN number or ID number Not regulated
- 14.2 UN 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 Precautions for Users
Special Provisions None

SECTION 15: Regulatory information

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

International Inventories: Based on data available for ingredients

Chemical name	AICS	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS
Sodium carboxymethylcellulose 9004-32-4	X	X	-	X	X	X	X

National regulations

Water hazard class (WGK) Based on data available for ingredients

Chemical name	CAS No.	WGK Classification (AwSV)
Sodium carboxymethylcellulose	9004-32-4	Klasse (class) 1

France Occupational Illnesses (R-463-3, France) Based on data available for ingredients

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Legend

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

Further information ATEX Directive 1999/92/EC, Workplace Requirements for Explosive Atmospheres
ATEX Directive 94/9/EC, Equipment for use in Explosive Atmospheres

Use CHEMTREC instead of Emergency Phone Number

Belgium: 32-28083237
Bulgaria: 359-32570104
Croatia: 385-17776920
Czech Republic: 420-228880039
Denmark: 45-69918573
Estonia: 372-6681294
Finland: 358-942419014
France: 33-975181407
Germany: 0800-181-7059
Greece: 30-2111768478
Hungary: 36-18088425
Iceland: 354 539 0655
India: 000-800-100-7141
Ireland: 353-19014670
Israel: 972-37630639
Italy: 39-0245557031
Latvia: 371-66165504
Lithuania: 370-52140238
Luxembourg: 352-20202416
Macedonia: 389 2 551 7456
Netherlands: 31-858880596
Nigeria: 234 1 227 8883
Poland: 48-223988029
Portugal: 351-308801773
Romania: 40-37-6300026

Russia: 8-800-100-6346
Saudi Arabia: 966-8111095861
Slovakia: 421-233057972
Slovenia: 38-618888016
South Africa: 0-800-983-611
Spain: 34-931768545
Sweden: 46-852503403
Switzerland: 41-435082011
Ukraine: 380-947101374
United Kingdom: 44-870-8200418 and 44-2038073798

Revision date 15-Apr-2024

Reason for revision ***Indicates updated section

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