

# Material Safety Data Sheet

According to (EC) No 1907/2006 (REACH) and 1272/2008 (CLP)

**CARBOMERA**

EN

FORM-06-14-01 (V00)

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Publication: 07/04/2022

Revision: 07/04/2022

Version: 00



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

### 1.1 Product identifier

Product name: Carbomers  
Carbomera  
Carbomeren  
Carbomères  
Carbomere

N° CAS: 9003-01-4

N° EC: 618-347-7

### 1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Active Pharmaceutical Ingredient or Excipient.

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

Company: FAC SECUNDUM ARTEM NV  
Oostmalsebaan 1c (unit 5)  
2960 Sint-Lenaarts  
Belgium

Telephone: (+32) (0)3 457 11 76

Email: info@magis-pharma.be

Web page: www.magis-pharma.be

### 1.4 Emergency telephone number

Public utility foundation:	Belgisch Antigifcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antigifcentrum.be	www.centreantipoisons.be

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance/mixture

Classification according to (EC) n° 1272/2008

Not classified.

### 2.2 Label elements

Labelling according to (EC) n° 1272/2008

Hazard pictogram(s): Not applicable.

Signal word(s): Not applicable.

Hazard statements: Not applicable.

Precautionary statements: Not applicable.

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Additional applicable label elements:

Not applicable.

## 2.3 Other hazards

Not available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Product name:	Carbomers
IUPAC name:	Prop-2-enoic acid
Synonyms:	Acryl acid Propenoic acid
N° CAS:	9003-01-4
N° EC:	618-347-7
Molecular Formula:	C <sub>3</sub> H <sub>4</sub> O <sub>2</sub>
Content:	56.0 per cent to 68.0 per cent of carboxylic acid (-CO <sub>2</sub> H) groups (dried substance).

### 3.2 Mixtures

Not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General notes:	Seek medical treatment in case of complaints.
After inhalation:	Remove exposed person to fresh air if adverse effects are observed. If breathing is laboured, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists or if toxic symptoms are observed, get medical attention.
After skin contact:	Wash with water and soap. If skin irritation continues, consult a doctor. Launder contaminated clothing before reuse.
After eye contact:	Remove contact lenses. Immediately flush eyes with plenty of one percent (1%) physiological saline solution for 5 minutes while holding eyelids open. If no saline is available, flush with plenty of clean water for 15 minutes. See a physician. Water (moisture) swells this product into a gelatinous film which may be difficult to remove from the eye using only water.
After ingestion:	Seek medical treatment in case of complaints.

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

Not available.

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

Not available.

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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media:	Carbon dioxide, dry chemical, foam, water spray, water fog
Unsuitable extinguishing media:	Carbon dioxide may be ineffective on larger fires due to a lack of cooling capacity which may result in reignition.

### 5.2 Special hazards arising from the substance/mixture

Deflagration index, Kst 157 - 193 bar m/sec  
Volume resistivity  $4.7 \times 10^{+15}$  ohm-cm

### 5.3 Advice for firefighters

Surrounding fires:	Not available.
Protection against fire:	Wear self-contained respiratory protective device. Wear fully protective suit.
Hazardous combustion products:	Not available.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust/vapour/mist/gas. Do not eat, drink or smoke while working. The floor will be slippery if it absorbs water.

#### For emergency responders

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust/vapour/mist/gas. Do not eat, drink or smoke while working. The floor will be slippery if it absorbs water.

### 6.2 Environmental precautions

Do not allow material to enter drains. Prevent further leakage if safe to do so. Avoid environmental contamination.

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

Spills should be swept up into sealed containers. Avoid producing dust. Dispose of the material collected according to regulations.

### 6.4 Reference to other sections

See section 7 for information on safe handling. See section 8 for information on personal protection equipment.  
See section 13 for disposal information.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Precautions for safe handling:	Usual safety precautions should be observed to ensure safe handling. Avoid contact with the skin, eyes and clothing. Do not eat,
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Personal protection:

drink or smoke while working. Containers must be bonded and grounded when pouring or transferring material. Normal measures for preventive fire protection.

Technical protective measures:

Avoid inhalation of dust, aerosol, mist, spray, fume, or vapor.

Handling:

Ensure good ventilation/exhaustion at the workplace.

Not available.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage:

Store in an airtight container.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry and well-ventilated place. Maximum storage temperature: < 80 °C

Storage – away from:

Incompatible materials. See section 10.

## 7.3 Specific end use(s)

Active Pharmaceutical Ingredient or Excipient

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Polyacrylate dusts is 0.05 mg/m<sup>3</sup>.

Additional information: Use engineering controls to reduce air contamination.

### 8.2 Exposure controls

#### Appropriate engineering control

The usual precautionary measures are to be adhered to when handling chemicals. Local exhaust ventilation required. Avoid contact with eyes, skin, and clothing. Do not eat, drink, smoke while working. Do not inhale vapours/aerosols. Avoid breathing dust or mist. Remove and wash contaminated clothing before re-use. Eyewash and safety shower facilities should be available when handling this product. Minimize dust generation and accumulation.

#### Individual protection measures

Eye/face protection:

Safety glasses.

Skin protection:

Wear suitable protective clothing. Long sleeve shirt is recommended.

Hand protection:

Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection:

Use specified dust masks.

Thermal hazards:

Not determined.

#### Environmental exposure control

Not available.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	White or almost white, fluffy, hygroscopic powder.
Odour:	Slight acetic acid odour.
Odour threshold:	Not available.
pH:	2.5 – 3.0 (1% water)
Melting/freezing point:	Not available.
Initial boiling point:	Not available.
Boiling range:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability (solid/gas):	Product is not flammable.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	1.4 (20 °C)
Solubility:	Swells in water and in other polar solvents after dispersion and neutralisation with sodium hydroxide solution.
Solubility in water:	Swells in water after dispersion and neutralisation with sodium hydroxide solution.
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	~ 480 °C
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Dust could form explosive mixture with air.
Oxidising properties:	Not available.

### 9.2 Other information

Not available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Not available.

### 10.2 Chemical stability

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Stable under normal conditions. Stable under normal temperatures and pressures.

Thermal decomposition/conditions to be avoided: No decomposition if used and stored according to specifications.

## 10.3 Possibility of hazardous reactions

Hazard Polymerization: will not occur.

## 10.4 Conditions to avoid

Static discharge. Moisture. Warmth.

## 10.5 Incompatible materials

Heat may be generated if polymer comes in contact with strong basic materials like ammonia, sodium hydroxide or strong basic amines.

Avoid water or moisture/

## 10.6 Hazardous decomposition products

Smoke, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>), aldehydes.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:	Based on available data, the classification criteria are not met. Oral LD50 (rat): > 10 000 mg/kg Dermal LD50 (rabbit): > 2 000 mg/kg
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory/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.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Summary of evaluation of the CMR properties:	Not available.
STOT-single exposure:	Based on available data, the classification criteria are not met.
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.
Other:	Not available.

### 11.2 Additional information on potential adverse human health effects and symptoms

Eye contact:	Not available.
Skin contact:	Not available.
Inhalation:	Not available.
Ingestion:	Not available.

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Aspiration: Not available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Aquatic toxicity:

EC50: 100 – 1000 mg/l (Invertebrate)

LC50: 100 – 1000 mg/l (fish)

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

Not available.

### 12.5 Results of PBT and vPvB assessment

Not available.

### 12.6 Other adverse effects

General notes:

Water hazard class 1 (German Regulation): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Avoid transfer into the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Recommendation:

Dispose of in accordance with Local Authority requirements.

Contaminated packaging: Recommendation:

Disposal must be made according to official regulations.

## SECTION 14: TRANSPORT INFORMATION

### Transport information according to ADR/RID/IMDG/ICAO/IATA

#### 14.1 UN Number

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

#### 14.2 UN proper shipping name

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

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## 14.3 Transport hazard class(es)

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

## 14.4 Packing group

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

## 14.5 Environmental hazards

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

## 14.6 Special precautions for user

Not available.

## 14.7 Transport in bulk according to annex II of Marpol and the IBC Code

Not available.

## 14.8 Additional transport information

Not dangerous according to the above specifications.

## SECTION 15: REGULATORY INFORMATION

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

Hazard symbol: Not applicable.

Risk phrases: Not applicable.

Safety phrases: Not applicable.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

### 16.1 Changes since the previous version

Not applicable.

### 16.2 Abbreviations and acronyms used

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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EC (number): European Community (number)

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods



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IUPAC:	International Union of Pure and Applied Chemistry
PBT:	Persistent, Bioaccumulative and Toxic substance
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT:	Specific Target Organ Toxicity
UN (number):	United Nations (number)
vPvB:	very Persistent and very Bioaccumulative

## 16.3 Key literature references/sources for data

European Chemicals Agency.

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

## 16.4 Method of classification in case of mixture

Not applicable.

## 16.5 Relevant Hazard statements and/or precautionary statements

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

## 16.6 Training advisement

Not available

## 16.7 Notice for user(s)

The information provided in this MSDS has been established 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, Authorization and Restriction of Chemicals (REACH), establishing the 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 Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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## 16.8 Department issuing MSDS

Quality Department

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