

# Safety data sheet according to regulation (EC) Nr. 1907/2006



Product name Vinamul 31172  
MSDS number 85486  
Revision Number 4.02\*\*\*

Revision Date  
Issuing date

EU/EN  
Jan.25.2016  
Apr.28.2017\*\*\*

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

### 1.1. Product identifier

Product name  
**Vinamul 31172**

#### REACH Registration Number

This product is a mixture and therefore not directly subject of the registration requirements under REACH.

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

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

Celanese Production Netherlands B.V.  
De Asselen Kuil 24  
NL-6161 RD Geleen  
Netherlands\*\*\*

**Celanese Sales Germany GmbH**  
Am Unisys-Park 1  
65843 Sulzbach (Taunus)  
Germany

#### SDS Contact (email of responsible person)

HazCom@celanese.com

### 1.4. Emergency telephone number

CHEMTREC: +1 703 527 3887 (Collect calls accepted)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation 1272/2008/EC (CLP)

Not a hazardous substance or preparation according to Regulation 1272/2008 (CLP)

### 2.2. Label elements

#### EC Hazards

EUH210 - Safety data sheet available on request  
EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one; Mixture of: 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1); 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.

### 2.3 Other Hazards

The mixture does not meet the criteria for PBT / vPvB according to REACH, Annex XIII

#### Statements of hazard

Frequent contact can lead to skin and eye irritation, especially if product is allowed to dry out  
Observe the usual precautions when handling chemicals.

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

**Chemical characterization** Water-borne polymer emulsion. Basis: Ethylene Vinyl acetate

- 3.1. Substances** not applicable  
**3.2. Mixtures** see Chemical characterization

Components	CAS-No	EC-No.	Identification Number	Percent %
1,2-Benzisothiazol-3(2H)-one	2634-33-5	220-120-9	613-088-00-6	0.0100
Mixture of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC No. 247-500-7] and 2-Methyl-2H -isothiazol-3-one [EC No. 220-239-6] (3:1)	55965-84-9	247-500-7 + 220-239-6	613-167-00-5	0.0010
2-Methyl-2H-isothiazol-3-one	2682-20-4	220-239-6***		0.0100

Components	1272/2008/EC (CLP)	Hazard Statements
1,2-Benzisothiazol-3(2H)-one	Acute oral toxicity - Category 4 Skin corrosion / irritation - Category 2 Serious eye damage / eye irritation - Category 1 Skin sensitization - Category 1 Acute aquatic toxicity - Category 1 Chronic aquatic toxicity - Category 2 Acute inhalation toxicity - Category 2	H302 H315 H318 H317 H400 H411 H330
Mixture of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC No. 247-500-7] and 2-Methyl-2H -isothiazol-3-one [EC No. 220-239-6] (3:1)	Acute oral toxicity - Category 3 Acute inhalation toxicity - Category 2 Acute dermal toxicity - Category 2 Skin corrosion / irritation - Category 1B Serious eye damage / eye irritation - Category 1 Acute aquatic toxicity - Category 1 Chronic aquatic toxicity - Category 1 Skin sensitization - Category 1A	H301 H330 H310 H314 H318 H400 H410 H317
2-Methyl-2H-isothiazol-3-one	Acute oral toxicity - Category 3 Acute dermal toxicity - Category 3 Acute inhalation toxicity - Category 2 Skin corrosion / irritation - Category 1B Acute aquatic toxicity - Category 1 Serious eye damage / eye irritation - Category 1 STOT SE - Category 3 Chronic aquatic toxicity - Category 2 Skin sensitization - Category 1A	H301 H311 H330 H314 H400 H318 H335 H411 H317***

**SECTION 4: First aid measures**

- 4.1. Description of first aid measures**

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<b>General Information</b>	Remove contaminated, soaked clothing immediately and dispose of safely.
<b>Skin</b>	Wash off with soap and water. If symptoms persist, call a physician.
<b>Eyes</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label. If conscious, drink plenty of water. Do not induce vomiting without medical advice.

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

**Main symptoms** None known.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Foam, Dry powder, Carbon dioxide (CO<sub>2</sub>), Water spray

### 5.2. Special hazards arising from the substance or mixture

None known

### 5.3. Advice for firefighters

#### **Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### **Other Information**

This is a water-based product and presents no particular fire or explosion hazard.

## SECTION 6: Accidental release measures

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

Contaminated surfaces will be extremely slippery. Avoid contact with the skin and the eyes.

### 6.2. Environmental precautions

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Contaminated equipment (brushes, rags) must be cleaned immediately with water. Dispose of in accordance with local regulations.

### 6.4. Reference to other sections

Consider the information for "Personal Protection" in chapter 8 of this Safety Data Sheet

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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## Hygiene measures

Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Take off all contaminated clothing immediately Wash contaminated clothing before re-use\*\*\*

## Advice on safe handling

Product may contain hazardous volatile ingredients which could accumulate in the unvented headspace of drums or containers. Open containers in ventilated area. Do not breathe vapor.. During longer storage small amounts of carbon monoxide may form. To the best of our knowledge, no OEL (occupational exposure limit) is exceeded during the intended use. Containers/tanks may only be entered after thoroughly executed ventilation while considering national regulations and international standards for inspection of containers/tanks. In any case of doubt a measurement of the CO concentration is necessary\*\*\*

## Incompatible products

No special restrictions on storage with other products

## Protection - fire and explosion:

No special protective measures against fire required.

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

### Material storage

Store locked up.. Keep tightly closed in a dry and cool place. Protect from frost. To maintain product quality, do not store in heat or direct sunlight. Keep at temperatures between 5°C and 35°C (40°F and 95°F). Agitate before use\*\*\*

### Incompatible products

No special restrictions on storage with other products

### Technical measures/Storage conditions

Keep tightly closed in a dry and cool place. No special technical protective measures required.

### German storage class

12: Non-combustible liquids

## 7.3. Specific end use(s)

None known

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.2. Exposure controls

Exposure controls

### Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

### Personal protective equipment

#### General advice

Avoid contact with skin and eyes.

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<b>Hygiene measures</b>	Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Take off all contaminated clothing immediately Wash contaminated clothing before re-use***
<b>Eye protection</b>	safety glasses
<b>Hand protection</b>	Chemicals resistant gloves
<b>Suitable material Type</b>	rubber gloves Nitril (Company KCL) or comparable article; or refer to glove manufacturer's recommendation
<b>Evaluation</b>	according to EN 374: level 6
<b>Material thickness</b>	approx. 0.1 / 0.4 mm
<b>Break through time</b>	> 480 min

### Environmental exposure controls

Do not discharge into the drains/surface waters/groundwater

### Environmental Precautions

Should not be released into the environment

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

<b>Form</b>	liquid
<b>Color</b>	white
<b>Odor</b>	sweet

<b>Flash point</b>	Not flammable***
<b>Boiling point/range</b>	~ 100***C***
<b>pH</b>	4.2 - 4.6
<b>Method</b>	ISO 976

<b>Viscosity</b>	3000 - 4000 mPa*s @ 25°C
<b>Method</b>	Brookfield Visc. RVT Sp. 4 / 20 r.p.m.

<b>Vapor pressure</b>	24 hPa @ 20°C
<b>Water solubility</b>	miscible

**9.2. Other information** The product was not tested for properties not listed on the MSDS

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical Stability

No decomposition if stored and applied as directed.

### 10.3. Possibility of hazardous reactions

No hazards to be especially mentioned.

### 10.4. Conditions to avoid

Do not freeze.

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#### 10.5. Incompatible Materials

Materials that react with water

#### 10.6. Hazardous decomposition products

No hazardous decomposition products are known

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

### SECTION 12: Ecological information

Ecotoxicological data are not available. According to experience, the material has no harmful effect on the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Product information** Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal. Diluted solution may be introduced into a biological purification plant, with permission of the responsible authorities.

**Uncleaned empty packaging** Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Regulations concerning reuse or disposal of used packaging materials must be observed..

**European Waste Catalogue** Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

### SECTION 14: Transport information

ADR/RID Not regulated

ADN Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

### SECTION 15: Regulatory information

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

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## Water Hazard Class (WGK):

<b>WGK Class</b>	1
<b>WGK Reg. No.</b>	662
<b>WGK Source</b>	Classification according to VwVwS, Annex 1 or 2

## 15.2 Chemical Safety Assessment

Chemical Safety Assessment (CSA) is not required

## SECTION 16: Other information

### For further information, see:

For more information, consult the Technical Data Sheet ([www.celanese-emulsions.com](http://www.celanese-emulsions.com)).

### Other Information:

- Traces of residual monomers can be found in the product:
- Vinyl acetate

Changes against the previous version are marked by \*\*\*

### Training advice

Make sure that employees are aware of the hazards / risks as detailed on this Safety Data Sheet.

### Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable.. The absence of data elements required by ANSI or 1907/2006/EC indicates that no data meeting these requirements is available..

### Further information

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality.

### Abbreviation and Acronym:

ADR = Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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

CLP = Classification, Labelling and Packaging

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO)

ICAO = International Civil Aviation Organization

IMDG = International Maritime Code for Dangerous Goods

## Annex: Exposure Scenario(s)

Development of Exposure Scenario is not required

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