

SECTION 1. Identification of the substance/mixture and of the company/enterprise**1.1. Product identifier**

Product name : SPINDASOL W
This substance/mixture contains nanoforms (Reg. EC 1907/2006 REACH)
Product code: refer to sales department

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

Clarifying Agents
Sectors of use:
Manufacture of food products[SU4]
Product category:
Technological adjuvant for limited food use

Not recommended uses
Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

AEB SpA - Via Vittorio Arici 104 S.Polo - 25134 Brescia (BS) Italy
Tel. +39.030.2307.1 Fax +39.030.2307281
E-mail: info@aeb-group.com - Internet: www.aeb-group.com
E-mail tecnico competente/technical dept.: sds@aeb-group.com

AEB USA
111 N Cluff Avenue
Lodi CA 95240 (USA)
Tel: +1 2096258139 Fax: +1 2092248953
Email: info@aebusa.com - Internet: www.aeb-group.com

AEB AFRICA (PTY) LTD
18 Track Crescent, Cor. Station Road
Montague Gardens 7441
Cape Town (South Africa)
Tel.: +27 215512700 - Fax: +27 (0) 215511919
Email: info@aeb.co.za - Internet: www.aeb-group.com

AEB OCEANIA PTY LTD
178A Wakaden Street
Griffith NSW 2680
T: 1300 704 971
Email: aebocceania@aeb-group.com - Internet: www.aeb-group.com

Produced by
AEB SpA
Via Vittorio Arici 104 S. Polo
25134 Brescia

1.4. Emergency telephone number

AEB SpA

Centralino/Switchboard: +39.030.2307.1 - (h 8.30-12.00 13.30-18.00 GMT +1; Lingua/Language: Italiano, English)

AEB USA

111 N Cluff Avenue

Lodi CA 95240 (USA)

Switchboard: +1 2096258139 (GMT -8; Language: English)

Fax: +12092248953

Email: info@aebusa.com - Internet: www.aeb-group.com

AEB AFRICA (PTY) LTD

Switchboard: +27 215512700 (GMT +1; Language: English, Afrikaans)

AEB OCEANIA PTY LTD

Switchboard: +61 1300 704 971 (GMT +9; Language: English)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Pictograms:

None

Hazard Class and Category Code(s):

Non hazardous

Hazard statement Code(s):

Non hazardous

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

None

Hazard statement Code(s):

Non hazardous

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

None in particular.

Ingredients: Amorphous silica, colloidal aqueous solution

Food use. Also for oenological use. Not intended for the final consumer. In accordance with current regulations on the specific matter.

2.3. Other hazards

Based on available data, no PBT or vPvB substances are present according to Reg. (EC) 1907/2006, Annex XIII, in concentrations >0.1% w/w.

Based on available data, no substances that disrupt the endocrine system are present according to Reg. (EU) 2017/2100 and 2018/605 in concentrations >0.1% w/w.

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Amorphous silica, colloidal aqueous solution (30-31% w/w) CAS n. 7631-86-9

Silicon dioxide, amorphous:
Substance containing nanoforms (Reg EC 1907/2006)
Particle information: section 9 (experimental data)

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Ventilate the area. Immediately remove the patient from the contaminated area and keep him or her at rest in a well-ventilated area. If you feel unwell, consult a doctor.

Direct skin contact:

Remove shoes and clothing and wash thoroughly with soap and water. If you feel unwell, consult a doctor.

Direct eye contact:

Remove any contact lenses, protect the uninjured eye, and immediately flush with plenty of water for at least 10 minutes. If you feel unwell, consult a doctor.

Ingestion:

Rinse mouth immediately. Do not give anything to an unconscious person. If you feel unwell, consult a doctor.

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

No data available.

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

If you feel unwell, go to a doctor or emergency room with this document. Symptomatic treatment.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Recommended extinguishing media: Water spray, CO₂, foam, or chemical powders, depending on the materials involved in the fire.

Extinguishing media to avoid: none in particular.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use respiratory protection, a safety helmet, and complete protective clothing. Self-contained breathing apparatus is recommended, especially if working in closed, poorly ventilated areas.
Cool containers with water jets.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Move away from the area surrounding the spill or release. Do not smoke.

6.1.2 For emergency responders:

Wear personal protective equipment. Eliminate all open flames and possible sources of ignition. Do not smoke. Provide adequate ventilation. Evacuate the danger area and, if necessary, consult an expert.

6.2. Environmental precautions

Contain spills with earth or sand.

If the product has entered a watercourse, sewers or has contaminated soil or vegetation, notify the authorities.

Dispose of the waste material in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 Containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material or suck it.
Prevent it from entering the sewer system.

6.3.2 Cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

Nothing in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Use according to good industrial hygiene practices. Do not eat or drink while working. See also section 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in the original container tightly closed. Do not store in open or unlabelled containers.
Keep containers upright and secure, avoiding the possibility of falls or impacts.
Store in a clean, dry and ventilated environment, away from heat sources and direct sunlight (7-35°C) in the original packaging tightly closed.
Do not freeze.

7.3. Specific end use(s)

Manufacture of food products:
Food industry: Handle with care. Store in a clean, dry, and ventilated area, away from heat and direct sunlight (7-35°C) in the original, tightly closed packaging.
Do not freeze.
Batch number and best before: see packaging.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls

Appropriate engineering controls:
Manufacture of food products:
No specific monitoring foreseen (act according to good practice and specific rules for the type of risk associated)

8.2.2 Individual protection measures:

- (a) Eye / face protection
Not needed for normal use, unless otherwise provided by the employer and / or by assessments of environmental hygiene investigations.
 - (b) Skin protection
 - (i) Hand protection
-

Not needed for normal use, unless otherwise provided by the employer and / or by assessments of environmental hygiene investigations. Gloves: rubber and PVC

(ii) Other

Wear normal work clothing.

(c) Respiratory protection

Not needed for normal use, unless otherwise provided by the employer and / or by assessments of environmental hygiene investigations.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices and avoid to disperse the product into the environment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical and chemical properties | Value | Determination method |
|--|---|----------------------|
| Physical state | Opalescent liquid | |
| Colour | White | |
| Odour | odorless | |
| Odour threshold | No data available | |
| Melting point/freezing point | 0°C | |
| Boiling point or initial boiling point and boiling range | 100°C | |
| Flammability | not available | |
| Lower and upper explosion limit | not available | |
| Flash point | not applicable | ASTM D92 |
| Auto-ignition temperature | not available | |
| Decomposition temperature | not available | |
| pH | 10,0 ± 0,5 (20°C) | |
| Kinematic viscosity | Not available - Dynamic viscosity <20 mPa.s | |
| Solubility | not available | |
| Water solubility | dispersible | |
| Partition coefficient n-octanol/water (log value) | not applicable | |
| Vapour pressure | c.a. 23 hPa (20°C) | |
| Density and/or relative density | 1,20 ± 0,05 (20°C) | |
| Relative vapour density | not available | |
| Particle characteristics | This substance-mixture contains nanoforms (according to REACH regulation) | |

9.2. Other information

Particle size 1-100 nm (ISO 22412)

Particle size distribution D50 = 20 nm ± 6 nm (ISO 22412)

Particle shape: spherical

9.2.1 Information with regard to physical hazard classes

Irrilevant

9.2.2 Other safety characteristics

Irrilevant

SECTION 10. Stability and reactivity**10.1. Reactivity**

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Avoid dust formation

10.5. Incompatible materials

Aluminum, copper, mild steel

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

(a) acute toxicity: based on available data, the classification criteria are not met.

ATE(mix) oral = >5000 mg/kg (estimated from similar product)

ATE(mix) dermal = no relevant component

ATE(mix) inhal = no relevant component

(b) skin corrosion/irritation: not classified (lack of data)

(c) serious eye damage/irritation: not classified (lack of data)

- (d) respiratory or skinsensitisation: based on available data, the classification criteria are not met. respiratory (Magnusson-Kligman method) does not cause sensitisation (similar products)
- (e) germ cell mutagenicity: not classified (lack of data)
- In vitro genotoxicity: Ames test - OECD 441 negative (similar products)
- (f) carcinogenicity: not classified (lack of data)
- (g) Reproductive toxicity: not classified (lack of data)
- (h) specific target organ toxicity (STOT) single exposure: not classified (lack of data)
- (i) specific target organ toxicity (STOT) repeated exposure: not classified (lack of data).
- (j) aspiration hazard: not classified (lack of data).

11.2. Information on other hazards

No data available.

11.2.1. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the endocrine system in accordance with Regulations (EU) 2017/2100 and 2018/605 in concentrations >0.1%.

SECTION 12. Ecological information

12.1. Toxicity

Acute toxicity - fish LC50 (mg/l/96h): >5000 (Zebra Fish, similar products)

Acute toxicity - crustaceans EC50 (mg/l/48h): 7600 (Ceriodaphnia dubia, similar products) Acute toxicity - algae EC50 (mg/l/48h): 120 (Selenastrum Capricornutum, similar products), EC10 (mg/l/48h) 140 (Selenastrum Capricornutum, similar products)

Chronic toxicity - fish NOEC (mg/l): n.a.

Chronic toxicity - crustaceans NOEC (mg/l): n.a.

Chronic toxicity - algae NOEC (mg/l/48h): 60 (Selenastrum Capricornutum, similar products)

C(E)L50 (mg/l) = 120 Acute toxicity M-factor = 1

NOEC (mg/l) = 60 Chronic toxicity M-factor = 1

Use according to good working practices and avoid to disperse the product into the environment.

C(E)L50 (mg/l) = 120 Acute toxicity M-factor = 1

NOEC (mg/l) = 60 Chronic toxicity M-factor = 1

Use according to good working practices and avoid to disperse the product into the environment.

C(E)L50 (mg/l) = 120 Acute toxicity M-factor = 1

NOEC (mg/l) = 60 Chronic toxicity M-factor = 1

Use according to good working practices and avoid to disperse the product into the environment.

12.2. Persistence and degradability

Not applicable (inorganic)

12.3. Bioaccumulative potential

Not bioaccumulative

12.4. Mobility in soil

Not mobile except in exceptional circumstances (soil-water)

12.5. Results of PBT and vPvB assessment

Does not contain substances considered PBT and vPvB in concentrations >0.1%

12.6. Endocrine disrupting properties

Does not contain substances considered to have endocrine disruption in concentrations >0.1%

12.7. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Any product residue must be disposed of in accordance with current regulations by contacting authorized companies. Do not reuse empty containers. Dispose of them in accordance with current regulations.

SECTION 14. Transport information**14.1. UN number or ID number**

Not included in the field of application of regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk is not foreseen

SECTION 15. Regulatory information

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

Restrictions relating to the product or the substances contained (Annex XVII EC Reg. 1907/2006): not applicable
Substances in Candidate list (art. 59 EC Reg. 1907/2006): the product does not contain SVHC in percentage = a 0.1 %.
Seveso III Class (Dir. 2012/18/EU): not applicable
Reg. (EU) 649/2012 (import and export of chemicals); not applicable

Regulation (EU) 1169/2011: see point 2.2

Regulation (EU) 1308/2013; see point 2.2

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Points changed from the previous revision: sections 1, 3, 9

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: No hazard to report (similar mixture)

Main normative references:

Reg. (CE) n. 1907 del 18/12/06 REACH (Registration, Evaluation and Authorisation of CHemicals) et seq.

Reg. (CE) 1272/2008 CLP (Classification Labelling and Packaging) et seq.

Directive 2012/18/EU (on the control of major-accident hazards involving dangerous substances) et seq.

Training required: This document must be submitted to the employer to determine the possible need for appropriate training for workers to ensure protection of human health and the environment.

n.a.: not applicable

n.d.: not available

ADR: Accord européen relative au transport International des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ATE: Acute Toxicity Estimati

BFC: BioconCentration Factor

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstract Service number

CAP: Centre AntiPoison

CE/EC number EINECS (European Inventory of existing Commercial Substances) e ELINCS (European List of notified Chemical Substances)

CL50/LC50: Lethal Concentration 50

DL50/LD50: Lethal Dose 50

COD: Chemical Oxygen Demand

DNEL: Derived No Effect Level

EC50: half maximal Effective Concentration

ERC: Environment Release Classes

EU/UE: European Union



SAFETY DATA SHEET

SPINDASOL W

Issued on 11/04/2025 - Rel. # 6 on 11/04/2025

In conformity to Regulation (EU) 2020/878

11 / 11

IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods code
Kow: Octanol water partition coefficient
NOEC: No Observed Effect Concentration
OEL: Occupational Exposure Limit
PBT: Persistent Bioaccumulative and Toxic
PC: Product Categories
PNEC: Predicted No Effect Concentration
PROC: Process Categories
RID: Règlement concernant le transport International ferroviaire des marchandises dangereuses (Regulations concerning International rail transport of dangerous goods)
STOT: Target Organ Systemic Toxicity
STOT (RE): Repeated Exposure
STOT (SE): Single Exposure
STP: Sewage Treatment Plants
SU: Sector of Use
SVCH: Substance of Very High Concern
TLV: Threshold Limit Value
vPvB: Very Persistent Very Bioaccumulative

References and Sources:

- ECHA Registered Substances:
<https://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
- SDS raw material supplier
- GESTIS International Limit Value: <http://limitvalue.ifa.dguv.de>

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*** this tab annuls and replaces any previous edition. (IIXX)

Changes to the previous edition: raw materials data update
