

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Advanced Silica 15%

Version number: 1.0

Date of compilation: 03.11.2022

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

1.1 Product identifier

Trade name

Advanced Silica 15%

Registration number (REACH)

Not relevant (mixture)

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

Relevant identified uses

Professional use

Uses advised against

Must not be used as

biocides (e.g. disinfectants, pesticides)
plant protection product

1.3 Details of the supplier of the safety data sheet

Hak Agrofeed bv
Leemansstraat 2
4251 LD Werkendam
The Netherlands

Telephone: +31 653220260
e-mail: info@immutines.com
Website: www.immutines.com
e-mail (competent person)

info@immutines.com

1.4 Emergency telephone number

Emergency information service

+31 653220260

This number is only available during the following office hours:
Mon-Fri 09:00 to 17:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

2.2 Label elements

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

Not required.

2.3 Other hazards

No further information is available.

Results of PBT and vPvB assessment

Does not contain substances assessed as PBT or vPvB at a concentration of $\geq 0.1\%$.

Endocrine-disrupting properties

Does not contain an endocrine disruptor (EDC) at a concentration of $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

The product contains no (additional) ingredients which, to the current knowledge of the supplier, are classified and contribute to the classification of the product and therefore need to be reported in this section.

This product does not meet the criteria for classification in any hazard class according to the GHS.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Advanced Silica 15%

Version number: 1.0

Date of compilation: 03.11.2022

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave the affected person unattended. Remove the affected person from the danger area. If unconscious, place the person in the recovery position. Do not give anything by mouth. Immediately remove contaminated clothing. If in doubt or if symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. In case of irregular breathing or respiratory arrest, seek medical assistance immediately and administer first aid.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with clean, running water for at least 15 minutes while holding the eyelids open.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Seek medical advice if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

No symptoms or effects are known to date.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Not combustible; coordinate firefighting measures with the surroundings.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Hazardous fumes/smoke may be produced during a fire.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures with the surroundings. Do not allow firefighting water to enter drains or surface waters. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Move persons to safety. Ventilate the affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/aerosols/gases. Use the required personal protective equipment.

6.2 Environmental precautions

Not required. Disposal instructions: see section 13.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Advanced Silica 15%

Version number: 1.0

Date of compilation: 03.11.2022

6.3 Methods and material for containment & cleaning up

Advice on how to contain a spill

Bund.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Alkaline waste. Wear suitable gloves and protective clothing.

Appropriate containment techniques

Use absorbent materials.

Other information relating to spills and releases

Place in suitable containers for disposal. Ventilate the affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire and aerosol or dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Do not store food and drink together with chemicals. Do not use food containers for chemicals. Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibility

Management of associated risks

- flammability hazards

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

- incompatible substances or mixtures

Keep away from bases, oxidising substances and acids.

Control of effects

Protect against external exposure, such as

High temperatures. Frost. UV radiation/sunlight.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- specific designs for storage rooms or vessels

- storage temperature

Recommended storage temperature: 5-35 °C

- compatible packaging

Keep only in the original packaging

7.3 Specific end use(s)

No further information is available.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Advanced Silica 15%

Version number: 1.0

Date of compilation: 03.11.2022

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

No information available.

Relevant DNEL/DMEL/PNEC and other threshold levels

No data available.

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side protection (EN 166).

Skin protection

Protective clothing (EN 340 and EN ISO 13688).

Hand protection

Wear suitable gloves. Check leak-tightness/impermeability before use. For special applications, it is recommended to verify the chemical resistance of the protective gloves specified above with the glove supplier. Chemical-resistant gloves tested according to EN 374 are suitable. The selection of a suitable glove depends not only on the material, but also on other quality characteristics and varies from manufacturer to manufacturer. Since the product is a mixture of several substances, the durability of glove materials cannot be calculated in advance and must therefore be tested before use.

Type of material

PVC: polyvinyl chloride; NR: natural rubber, latex; nitrile rubber.

Breakthrough time of glove material

Use gloves with a minimum material breakthrough time of >480 minutes (permeation level 6).

Other protection measures

Allow recovery periods for skin regeneration. Preventive skin protection (barrier creams) is recommended. Wash hands thoroughly after use. Provide eyewash stations and emergency showers in the workplace.

Respiratory protection

If ventilation is inadequate, wear suitable respiratory protection. Full/half/quarter mask (EN 136/140).

Environmental exposure controls

Take appropriate measures to prevent uncontrolled release into the environment. Prevent the product from entering drains, surface water or groundwater.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	clear
Odour	mild
Melting/freezing point	0 °C

Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)
Advanced Silica 15%

Version number: 1.0

Date of compilation: 03.11.2022

Boiling point or initial boiling point and boiling range	100 °C
Evaporation rate	not determined
Flammability	not combustible
Lower and upper explosion limit	LEL: UEL: not determined
Flash point	not determined
Auto-ignition temperature	not determined
Decomposition temperature	no data available
pH	9.7-10.5
Kinematic viscosity	not determined
Dynamic viscosity	<5 cP at 20 °C
Solubility	not determined
Partition coefficient n-octanol/water (log value)	this information is not available
Vapour pressure	not determined
Density	1.093-1.1 g/cm ³
Particle characteristics	not relevant (liquid)

9.2 Other information

Information with regard to physical hazard classes
Other safety characteristics

hazard classes according to GHS (physical hazards): not relevant
no further information is available

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal atmospheric conditions and anticipated storage and handling temperatures and pressures.

10.3 Possibility of hazardous reactions

Reacts with: acids.

10.4 Conditions to avoid

Frost.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Advanced Silica 15%

Version number: 1.0

Date of compilation: 03.11.2022

10.5 Incompatible materials

Oxidising agents.

10.6 Hazardous decomposition products

No hazardous decomposition products are known that may reasonably be expected to be produced during use, storage, release or heating. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

No test data are available for the mixture as a whole.

Classification procedure

The method for classification of mixtures based on the ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as toxic for reproduction.

Specific target organ toxicity - single exposure

Shall not be classified as toxic to specific target organs (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as toxic to specific target organs (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

Endocrine-disrupting properties

Does not contain an endocrine disruptor (EDC) at a concentration of $\geq 0.1\%$.

Other information

No further information is available.

Safety Data Sheet
according to Regulation (EC) No 1907/2006 (REACH)
Advanced Silica 15%

Version number: 1.0

Date of compilation: 03.11.2022

SECTION 12: Ecological information

- 12.1 Toxicity**
Shall not be classified as hazardous to the aquatic environment.
- 12.2 Persistence and degradability**
No data available.
- 12.3 Bioaccumulative potential**
No data available.
- 12.4 Mobility in soil**
No data available.
- 12.5 Results of PBT and vPvB assessment**
Does not contain substances assessed as PBT or vPvB at a concentration of $\geq 0.1\%$.
- 12.6 Endocrine-disrupting properties**
Does not contain an endocrine disruptor (EDC) at a concentration of $\geq 0.1\%$.
- 12.7 Other adverse effects**
No data available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods**
Sewage disposal-relevant information
Do not empty into drains.
Waste treatment of containers/packaging
Completely emptied packages can be recycled. Contaminated packaging shall be treated in the same manner as the substance.
Remarks
Please observe the relevant national or regional provisions. Waste shall be separated into categories that can be handled separately by local or national waste management facilities.

SECTION 14: Transport information

- 14.1 UN number or ID number** not subject to transport regulations
- 14.2 UN proper shipping name** not relevant
- 14.3 Transport hazard class(es)** None
- 14.4 Packing group** not assigned
- 14.5 Environmental hazards** not environmentally hazardous according to the dangerous goods regulations
- 14.6 Special precautions for user** No further information is available
- 14.7 Maritime transport in bulk according to IMO instruments**
No data available.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information
Not subject to ADR, RID and ADN.

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Advanced Silica 15%

Version number: 1.0

Date of compilation: 03.11.2022

International Maritime Dangerous Goods Code (IMDG) - additional information

Not subject to the IMDG Code.

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

None of the ingredients are listed.

List of substances subject to authorisation (REACH, Annex XIV) / SVHC candidate list

None of the ingredients are listed.

Seveso Directive

2012/18/EU (Seveso III)

No.	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for lower- and upper-tier requirements	Notes
not assigned			

Water Framework Directive (WFD)

None of the ingredients are listed.

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National regulations (The Netherlands)

SZW list of CMR effects

None of the ingredients are listed.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out by the supplier for this mixture.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of abbreviations used
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Advanced Silica 15%

Version number: 1.0

Date of compilation: 03.11.2022

Abbr.	Descriptions of abbreviations used
DGR	Dangerous Goods Regulations; see IATA/DGR
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
GHS	Globally Harmonized System of Classification and Labelling of Chemicals, developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LEL	Lower Explosion Limit
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
UEL	Upper Explosion Limit
vPvB	Very Persistent and Very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878.

Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for air transport (IATA).

Classification procedure

Physical and chemical properties: classification is based on the results of the tested mixture.

Health hazards, environmental hazards: the method for classification of mixtures based on the ingredients of the mixture (additivity formula).

Disclaimer

This information is based on the present state of our knowledge. This SDS has been compiled and is intended solely for this product. For this product, it is not legally required to supply an SDS pursuant to Article 31 of the REACH Regulation because the product is not classified as hazardous under the CLP Regulation. This document has been prepared as a voluntary supplementary service to provide general safety information.