SIHA PhenoEx

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

1.1. Product identifier

Trade name/designation:

SIHA PhenoEx

Additional information:

The substance does not require registration according to REACH.

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

Use of the substance/mixture:

Product for Beverage treatment

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Eaton Technologies GmbH
Langenlonsheim Branch
An den Nahewiesen 24
55450 Langenlonsheim
Germany

Telephone: +49 6704 204-0 (Diese Nummer ist nur zu Bürozeiten besetzt.)

Telefax: +49 6704 204-121

E-mail: SDB@Eaton.com

Website: www.eaton.com/filtration

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Additional information:

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

2.3. Other hazards

Adverse physicochemical effects:

Explosive dust-air mixtures may form.

SECTION 3: Composition / information on ingredients

3.1. Substances

Description:

Polyvinylpolypyrrolidon, crosslinked
CAS Nr. 9003-39-8

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

SIHA PhenoEx

In case of skin contact:
After contact with skin, wash immediately with plenty of water and soap.
IF ON CLOTHING: Change contaminated, saturated clothing.

After eye contact:
In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion:
Rinse mouth immediately and drink plenty of water.

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
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Foam, Dry extinguishing powder, Water mist

Unsuitable extinguishing media:
High power water jet

5.2. Special hazards arising from the substance or mixture
Carbon monoxide, Carbon dioxide (CO2), Hydrogen cyanide (hydrocyanic acid), Nitrogen oxides (NOx)

5.3. Advice for firefighters
In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information
No data available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Avoid dust formation. Do not breathe dust.

6.1.2. For emergency responders
No data available

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For cleaning up:
Take up mechanically, placing in appropriate containers for disposal. Dispose of waste according to applicable legislation.

6.4. Reference to other sections
No data available

6.5. Additional information
No data available

SIHA PhenoEx

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
Avoid dust formation. Do not breathe dust.
Take precautionary measures against static discharges.
The usual precautionary measures are to be adhered to when handling chemicals.

Fire prevent measures:
The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:
Keep container tightly closed in a cool, well-ventilated place. Keep container dry.

Further information on storage conditions:
No special measures are required.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Avoid dust formation. Take precautionary measures against static discharges.

8.2.2. Personal protection equipment

Eye/face protection:
Eye glasses

Skin protection:
Hand protection: 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.
Suitable material: The glove material has to be impermeable and resistant to the product/the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Breakthrough time (maximum wearing time): The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection:
Respiratory protection necessary at: dust formation, high concentrations
Suitable respiratory protection apparatus: Filtering device (DIN EN 147) P 2

Other protection measures:
The usual precautionary measures are to be adhered to when handling chemicals.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Powder
Colour: light yellow, white - cream
Odour: characteristic

SIHA PhenoEx

Safety relevant basis data

parameter		at °C	Method	Remark
pH	*not determined*			
Melting point	*not determined*			
Freezing point	*not determined*			
Initial boiling point and boiling range	*not determined*			
Decomposition temperature (°C):	*not determined*			
Flash point	*not determined*			
Evaporation rate	*not determined*			
Ignition temperature in °C	440 °C		DIN 51794	
Upper/lower flammability or explosive limits	*not determined*			
Vapour pressure	*not determined*			
Vapour density	*not determined*			
Density	1.2 g/cm³	20 °C		
Bulk density	*not determined*			
Water solubility (g/L)	*not determined*			
Partition coefficient: n-octanol/ water	*not determined*			
Dynamic viscosity	*not determined*			
Kinematic viscosity	*not determined*			

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions
Danger of dust explosion.

10.4. Conditions to avoid
Avoid dust formation. Take precautionary measures against static discharges.

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
This article doesn't contain dangerous substances or preparations intended to be released under normal or reasonably foreseeable conditions of use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
616-45-5	2-pyrrolidone	**LD_{50} oral:** 2,000 mg/kg (Rat)

Skin corrosion/irritation:
Not an irritant.

Eye damage/irritation:
Not an irritant.

Respiratory or skin sensitisation:
No data 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.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:
Acute fish toxicity
Leuciscus idus (golden orfe) LC50: (96h): > 10.000 mg/l.
DIN 38412 Part 15 static.

Terrestrial toxicity:
OECD 209
Industrial: EC20 (0,5h): > 1.995 mg/l

Effects in sewage plants:
Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

12.2. Persistence and degradability

Additional information:
Further ecological information: According to the present state of knowledge negative ecological effects are not expected.

12.3. Bioaccumulative potential

Accumulation / Evaluation:
DOC reduction. Degree of elimination: < 10% (15d)
Poorly eliminated from water.
Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
616-45-5	2-pyrrolidone	—

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The disposal of the product has to be carried out in accordance with the legal requirements. EWC waste codes are strictly industry-oriented, therefore waste classification has to be done by the waste producer.

Waste treatment options

Appropriate disposal / Package:
Non-contaminated packages may be recycled.

SIHA PhenoEx

13.2. Additional information
No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.
not relevant
14.2. UN proper shipping name
not relevant
14.3. Transport hazard class(es)
not relevant
14.4. Packing group
not relevant
14.5. Environmental hazards
not relevant
14.6. Special precautions for user
not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not relevant

SECTION 15: Regulatory information

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

15.1.1. EU legislation
No data available

15.1.2. National regulations

[DE] National regulations

Technische Anleitung Luft (TA-Luft)

Ziffer 1:
5.2.1

Water hazard class (WGK)

WGK:
1 - schwach wassergefährdend

Source:
Anh. 3

15.2. Chemical Safety Assessment
No data available

15.3. Additional information
No data available

SECTION 16: Other information

16.1. Indication of changes
No data available

16.2. Abbreviations and acronyms
No data available

SIHA PhenoEx

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
Classification according to Regulation (EC) No 1272/2008 [CLP]:
The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. Relevant R-, H- and EUH-phrases (Number and full text)
No data available

16.6. Training advice
No data available

16.7. Additional information
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.