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

1.1 Product Identification

Product name:	hawo Inktest PRO HDPE Seal Seam Test,
Product Number:	6.061.061
REACH No.:	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses:	Healthcare, Food, Pharmaceutical and Medical Industries, CSSD

1.3 Details of the supplier of the safety data sheet

Manufacturer:	hawo GmbH Obere Au 2-4 74847 Obrigheim, Germany
Phone:	+49 (0) 6261-9770-0
E-Mail:	info@hawo.com

1.4 Emergency telephone number

Emergency Call:	+49 (0) 761-19240

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2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards:

None

The information is based on our present knowledge. It describes our product from the point of view of safety requirements and therefore does not have not the purpose of assuring particular properties.

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Managing Directors: Christian Wolf
Place of business: Obrigheim

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3. Composition/information on ingredients

3.1 Substances

Composition:

- Upper Printed side laminate with delamination function:

Typical values:	Measure Units	Test results
Weight	g/m²	62
A)Polyester metalized	µm	12
B)Polyethylene	µm	50

- Lower Printed side:

Typical values:	Measure Units	Test results
Weight	g/m²	62
A)Polyester metalized	µm	12
B)Polyethylene	µm	50

- Indicating solution (Dye):

Typical values:	CAS Number	Measure Units	Test results
Specific weight		g/cm³	1,05
A)Wetting agent: mix of: - Ecosurf EH-6 - Ecosurf EH-9 - Tergitol 15-s-9 - Tergitol 15-s-12	64366-70-7	%	<0,49 4 surfactants are on the list of ASTM **Integrated Laboratory Trials for new component for ASTM F1929 standard**
B)Indicator dye: Allura Red	25956-17-6	%	<0,05
C)Water	7732-18-5	%	99,46

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4. First-aid Measures

4.1 Description of first aid measures

Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin Contact:	Wash off with soap and plenty of water.
Eye Contact:	Flush eyes with water as a precaution.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

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5. Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, hydrogen chloride gas

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Not data available

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

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7. Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

---

8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

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General industrial hygiene practice.

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands.

Body Protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific work-place.

Respiratory protection
Respiratory protection is not required.
Control of environmental exposure.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: powder
b)	Odour	no data available
c)	Odour Threshold	no data available
d)	pH	no data available
e)	Melting point / freezing point	no data available
f)	Initial boiling point and boiling range	no data available
g)	Flash point	no data available
h)	Evapouration rate	no data available
i)	Flammability (solid, gas)	no data available
j)	Upper/lover Flammability or Explosive limits	no data available
k)	Vapour pressure	no data available
l)	Vapour density	no data available
m)	Relative density	no data available
n)	Water solubility	no data available
o)	Partition coefficient: n-octanol/water	no data available
p)	Auto-ignition temperature	no data available
q)	Decomposition temperature	no data available
r)	Viscosity	no data available
s)	Explosive properties	no data available
t)	Oxidizing properties	no data available

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9.2 Other safety information
No data available

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10. Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products – no data available
In the event of fire: see section 5

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11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion / irritation

No data available

Serious eye damage / eye irritation

No data available

Respiratory or skin sensitisation

No data available

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Germ cell mutagenicity
Hamster
Ovary
Cytogenetic analysis

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available

Specific target organ toxicity – single exposure
No data available

Specific target organ toxicity – repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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12. Ecological information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

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12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other adverse effects
No data available

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13. Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

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14. Transport information

14.1 UN number
ADR/RID: - IMDG:- IATA: -

14.2 UN proper shipping name
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3 Transport hazard class(es)
ADR/RID:- IMDG: - IATA: -

14.4 Packaging group
ADR/RID:- IMDG: - IATA: -

14.5 Environmental hazards

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ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user
No data available

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15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available

15.2 Chemical Safety Assessment
For this product a chemical safety assessment was not carried out

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16. Other information

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used as a guide. This information is based on the present state of knowledge and experience. The safety data sheet to describe the products in regard to safety requirements. The data do not have the importance of property assurances. The user is obliged, before using this product, to make his own tests with the original materials under the actual application conditions. For damages for the purposes for which the product is not provided, we assume no liability. Existing laws and regulations, the beneficiary of our product on its own responsibility to consider.

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