

MAGISTER CORP.

COPY

AIREX

DIN safety data sheet

Balance Area

Balance Pad

According to DIN 50.900

- S 30.50
- S 32.50
- S 33.50

AIREX AG Speciality Foams
CH-5643 Sins

Phone +41 42 / 66 00 66
Telex 868 975
Fax +41 42 / 66 17 07



S 30.50 / S 32.50 / S 33.50

- 1. Description**
 - 1.1 Trade name
 - 1.2 Chemical characteristics
 - 1.3 Foam
 - 1.4 Colour
 - 1.5 Odour
- 2. Physical and safety relevant information**
 - 2.1 Change of physical state
 - 2.2 Apparent density
 - 2.3 Vapour pressure
 - 2.4 Viscosity
 - 2.5 Solubility in water
 - 2.6 pH-value
 - 2.7 Flash point
 - 2.8 Ignition temperature
 - 2.9 Explosive limit
 - 2.10 Thermal decomposition
 - 2.11 Dangerous products of thermal decomposition
 - 2.12 Dangerous reaction
 - 2.13 Additional information
- 3. Transport**
- 4. Regulations**
- 5. Safety measures, storage and handling**
 - 5.1 Technical safety measures
 - 5.2 Personal safety devices
 - 5.3 Sanitary precautions
 - 5.4 Fire and explosion safety measures
 - 5.5 Disposal
- 6. Measures in case of accidents and fires**
 - 6.1 In case of spillage / leakage and gas leakage
 - 6.2 Fire extinguishing agents
 - 6.3 First aid
 - 6.4 Additional information
- 7. Toxicology**
- 8. Ecology**
- 9. Additional**

1. Description

1.1. Trade name

AIREX S 30.50

AIREX S 32.50

AIREX S 33.50

1.2. Chemical characteristics

Soft polivinychloride foam.

Contains phthalate plasticizers, process additives and inorganic fire
retarding agent. Produced with a chemical blowing agent. Does not
contain CFC.

1.3. Foam

Soft foam slabs and sheets sliced from the same.

1.4. Colour

S 30.50 / S 32.50 Natural (yellowish to beige)

S 33.50 Dark gray

1.5. Odour

Odourless

2. Physical and safety relevant information

2.1. Change of physical state
Not applicable

2.2. Apparent density
50 kg/m³ DIN 53420

2.3. Vapour pressure
Not applicable

2.4. Viscosity
Not applicable

2.5. Solubility in water
Insoluble

2.6. pH-value
Not applicable

2.7. Flash point
Not applicable

2.8. Ignition temperature
Not applicable

2.9. Explosive limit
Not applicable

2.10. Thermal decomposition
Starts decomposing gradually at above 160 °C

2.11. Dangerous products of thermal decomposition
CO, CO₂, HCl

2.12. Dangerous reactions
None

2.13. Additional information
None

3. Transport

CGV / See / IMDG-Code	Not applicable
UN-No.	Not applicable
ICAO / IATA-DGR	Not applicable
GGVE/GGVS	Not applicable
RID / ADR	Not applicable
ADNR	Not applicable
Additional information	Not applicable

4. Regulations

AIREX S 30.50, S 32.50 and S 33.50 soft plastic foams for buoyancy and industrial applications are not subject to official marking under paragraph 13 of the law governing chemical agents (Chem G) of 80-09-16 (BG B 11/Sp. 17,18) and the rules relating to dangerous goods (Dangerous goods rules - Gef. Stoff V of 86-08-26).

5. Safety measures, storages and handling

5.1. Technical safety measures

Special safety measures are not necessary.

5.2. Personal safety devices

- | | |
|-------------------|-----------------------------------|
| - Breathing masks | Not necessary |
| - Eye protection | Goggles to be worn when machining |
| - Hand protection | Not necessary |
| - Miscellaneous | None |

5.3. Sanitary precautions

Observation of normal factory sanitary rules is sufficient.

5.4. Fire and explosion safety measures

Should not be stowed in the vicinity of dangerous ignition sources. Cool down with water jet in case of fire.

5.5. Disposal

Subject to the rules by local authorities of AIREX S 30.50, S 32.50 and S 33.50 can be disposed along with ordinary household refuse or trade waste.

Owing to the emission of air-polluting gases a disposal by burning is only permissible in waste disposal plants equipped with flue gas scrubbers.

6. Measures in case of accidents and fires

- 6.1. In case of spillage / leakage and gas leakage
Not applicable
- 6.2. Fire extinguishing agents
Suitable Foam, powder, CO₂
Not to be used Direct water jets must be avoided
- 6.3. First aid
Not applicable
- 6.4. Additional information
None

7. Toxicology

AIREX S 30.50, S 32.50 and S 33.50 are manufactured from non-toxic and innocuous material. No risk to public health is expected to arise out of their intended use.

8. Oecology

AIREX S 30.50, S 32.50 and S 33.50 consists of water-insoluble, non-toxic material. Detrimental effects on the environment are not to be expected. The material is biologically not readily degradable.

9. Additional information

None.

The information contained in the above are based on the state of today's knowledge. They are given as product descriptor and are not intended as a property specification.

DIN safety data sheet

Atorck Mats

According to DIN 52.900

○ **S 50.100**

AIREX AG Speciality Foams
CH-5643 Sins

Phone +41 42 / 66 00 66
Telex 868 975
Fax +41 42 / 66 17 07



1. Description

- 1.1. Trade name**
AIREX S 50.100 mats for gymnastic, rehabilitation and leisure activities
- 1.2. Chemical characteristics**
Flexible polyvinylchloride foam.
Contains phthalate ester plasticizers, process additives colour pigments and inorganic fire retarding agent. Produced with a chemical blowing agent. Does not contain CFC.
- 1.3. Foam**
Flexible foam mats with process skin.
- 1.4. Colour**
Various, depending on pigmentation.
- 1.5. Odour**
Odourless

2. Physical and safety relevant information

- 2.1. Change of physical state**
Not applicable
- 2.2. Apparent density**
100 - 120 kg/m³ DIN 53420
- 2.3. Vapour pressure**
Not applicable
- 2.4. Viscosity**
Not applicable
- 2.5. Solubility in water**
Insoluble
- 2.6. pH-value**
Not applicable
- 2.7. Flash point**
Not applicable
- 2.8. Ignition temperature**
Not applicable
- 2.9. Explosive limit**
Not applicable
- 2.10. Thermal decomposition**
At approx. 160 °C beginning of decomposition
- 2.11. Dangerous products of thermal decomposition**
CO, CO₂, HCl
- 2.12. Dangerous reaction:**
None
- 2.13. Additional information**
None

3. Transport

CGV / See / IMDG-Code	Not applicable
UN-No.	Not applicable
ICAO / IATA-DGR	Not applicable
GGVE/GGVS	Not applicable
RID / ADR	Not applicable
ADNR	Not applicable
Additional information	None

4. Regulations

AIREX S 50.100 mats for gymnastic, rehabilitation and leisure applications are not subject to official marking under paragraph 13 of the law governing chemical agents (Chem G) of 80-09-16 (BG B I I/Sp. 17.18) and the rules relating to dangerous goods (Dangerous goods rules - Gef. Stoff V of 86-08-26).

5. Safety measures, storages and handling

5.1. Technical safety measures

Special safety measures are not necessary.

5.2. Personal safety devices

- | | |
|-------------------|-----------------------------------|
| - Breathing masks | Not necessary |
| - Eye protection | Goggles to be worn when machining |
| - Hand protection | Not necessary |
| - Miscellaneous | None |

5.3. Sanitary precautions:

Observing the normal factory sanitary rules is sufficient.

5.4. Fire and explosion safety measures

Should not be stored in the vicinity of dangerous ignition sources. Cool down with water jet in case of fire.

5.5. Disposal

Subject to the rules by local authorities AIREX S 50.100 mats can be disposed along with ordinary household refuse or trade waste. Owing to the emission of air-polluting gases a disposal by burning is only permissible in waste disposal plants equipped with flue gas scrubbers.

6. Measures in case of accidents and fires

- 6.1. In case of spillage / leakage and gas leakage
Not applicable
- 6.2. Fire extinguishing agents
Suitable Foam, extinguisher powder, CO₂
Not to be used Direct water jets must be avoided
- 6.3. First aid
Not applicable
- 6.4. Additional information
None

7. Toxicology

AIREX S 50.100 mats for gymnastic, rehabilitation and leisure applications are manufactured from non-toxic and generally innoxious material. No risk to public health arises out of their intended use.

8. Oecology

AIREX S 50.100 mats consists of water-insoluble, non-toxic material. A detrimental effect on environment is not to be expected. The material is not readily degradable.

9. Additional information

None.

The information contained in the above are based on the state of today's knowledge. They are given as product description and are not intended as a property specification.

Burning characteristics
CORONA / CORONILLA Gymnastic Mats

ASTM D1692 - 76

Rate of Burning and for Extent and Time of Burning of Cellular Plastics using a specimen supported by a horizontal screen.

Corona RED

ATB te = 34 seconds

AEB Lb = 3.23 inch.

No drip

Corona GREEN

ATB te = 33 seconds

AEB Lb = 3.11 inch.

No drip

ATB = After time of burning
AEB = After Extent of burning

- 1. Description**
 - 1.1 Trade name
 - 1.2 Chemical characteristics
 - 1.3 Foam
 - 1.4 Colour
 - 1.5 Odour
- 2. Physical and safety relevant information**
 - 2.1 Change of physical state
 - 2.2 Apparent density
 - 2.3 Vapour pressure
 - 2.4 Viscosity
 - 2.5 Solubility in water
 - 2.6 pH-value
 - 2.7 Flash point
 - 2.8 Ignition temperature
 - 2.9 Explosive limit
 - 2.10 Thermal decomposition
 - 2.11 Dangerous products of thermal decomposition
 - 2.12 Dangerous reactions
 - 2.13 Additional information
- 3. Transport**
- 4. Regulations**
- 5. Safety measures, storage and handling**
 - 5.1 Technical safety measures
 - 5.2 Personal safety device
 - 5.3 Sanitary precautions
 - 5.4 Fire and explosion safety measures
 - 5.5 Disposal
- 6. Measures in case of accidents and fires**
 - 6.1 In case of spillage / leakage and gas leakage
 - 6.2 Fire extinguishing agents
 - 6.3 First aid
 - 6.4 Additional information
- 7. Toxicology**
- 8. Ecology**
- 9. Additional**