

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

1.1 Product identifier

Aton Lab. 80

CAS number: -
EC number (EINECS/ELINCS): -
EC index number: -
REACH registration number: -

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

Identified uses of the substance or mixture: Additionsvernetzende Laborknetmasse / Addition-cured lab moulding material / Reticulees par addition masses en silocone pour labo
Not recommended uses of the substance or mixture: Other

1.3 Details of the supplier of the safety data sheet

Manufacturer

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0

Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Supplier

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0

Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Information contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 21

Information fax:

E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

National contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 0

Information fax:

E-mail (competent person): info@erkodent.com

Website:

1.4 Emergency telephone number

ERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: 07445 8501 0

1.5 Dept. responsible for information

Entwicklung +49 (0) 7445 8501-21

2. Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008: -

Directive 67/548/EEC: -

2.2 Label elements

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

Hazard pictograms:

Signal word: -
H phrases: -
P phrases: -

2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:

R phrases: -
S phrases: -

2.3 Other hazards

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]. This substance is classified as not hazardous according to 67/548/EEC.

3. Composition/information on ingredients

3.1 Chemical characterization of the substance or mixture

Contains: Filler Curing agent (crosslinking agent)

3.2 Composition of the substance or mixture

| Substance: | EC-no.: | CAS-No.: | INDEX no.: | REACH-no.: | Concentration: | Classification: EC 1272/2008(CLP): | Classification: 67/548/EEC: |
|----------------------------|---------|------------|------------|------------|----------------|------------------------------------|-----------------------------|
| Divinylpolydimethylsiloxan | | 68083-19-2 | | | | | |

Ingredients with EC exposure limits

| Substance: | EC-no.: | CAS-No.: | INDEX no.: | REACH-no.: | Concentration: | Classification: EC 1272/2008(CLP): | Classification: 67/548/EEC: |
|------------|---------|----------|------------|------------|----------------|------------------------------------|-----------------------------|
| | | | | | | | |

(The wording of the listed risk phrases is given in Chapter 16)

3.3 Additional information

none

4. First aid measures

4.1 Description of first aid measures

General information: No special measures are necessary.
Following inhalation: Provide fresh air. Seek medical attention if problems persist.
After skin contact: No special measures are necessary. Not an irritant.
Following eye contact: Rinse immediately carefully and thoroughly with eye-bath or water.
After ingestion: Seek medical attention if problems persist.

Self-protection: First aid assistant: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: In all cases of doubt, or when symptoms persist, seek medical advice.
Nature of Hazard: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Emergency aid: No information available.
Treatment: No information available.

5. Fire fighting measures

5.1 General information

Extinguishing materials should be selected according to the surrounding area.

5.2 Extinguishing media

Suitable: Extinguishing materials should be selected according to the surrounding area.
Unsuitable: Extinguishing materials should be selected according to the surrounding area.

5.3 Special hazards arising from the substance or mixture

No information available.

5.4 Advice for fire fighters

Special protective equipment for fire-fighters

Extinguishing materials should be selected according to the surrounding area.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the assimilated material according to the section on waste disposal.

6.4 References to other sections

This information is not available.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

When using do not eat, drink or smoke.

Technical measures

No special technical protective measures are necessary.

Precautions against fire and explosion

No special fire protection measures are necessary.

Additional information

none

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

No special technical protective measures are necessary.

Packaging materials

Keep/Store only in original container.

Requirements for storerooms and containers

Keep in a cool, well-ventilated place. Put lids on containers immediately after use.

Information about storing together in storage facility

No special precautionary measures are necessary.

Further information concerning storage conditions

Always close containers tightly after the removal of product.

Storage class:

7.3 Specific end use(s)

Observe instructions for use.

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 Limits for occupational exposure

Exposure limit values

| Substance: | CAS-No.: | Source: | Occupational exposure limit value: | Limitation of exposure peaks: | Remark: |
|------------|----------|---------|------------------------------------|-------------------------------|---------|
| | | | | | |

EC exposure limit values

| Substance: | CAS-No.: | Source: | Occupational exposure limit value: | Limitation of exposure peaks: | Remark: |
|------------|----------|---------|------------------------------------|-------------------------------|---------|
| | | | | | |

8.1.2 DNEL and PNEC values

DNEL-values

| Substance: | CAS-No.: | DNEL/DMEL | Industry | Professional | consumer |
|------------|----------|-----------|----------|--------------|----------|
| | | | | | |

PNEC-values

| Substance: | CAS-No.: | PNEC | Worker, industry | Worker, professional | consumer |
|------------|----------|------|------------------|----------------------|----------|
| | | | | | |

8.1.3 Control-Banding

Control-Banding

none

8.1.4 Additional information

none

8.2 Exposure controls

Occupational exposure controls

none

Chemical handling

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

none/none

Hand protection

Single-use gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

Tightly sealed safety glasses.

Skin protection

Skin protection: not required.

Environmental exposure controls

refer to chapter 7. No further action is necessary. Do not empty into drains or the aquatic environment.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

8.3 Exposure scenario

none

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

State of matter: Paste viscous

Colour: Different

Odour: characteristic

Odour threshold: not determined

Safety relevant basis data

| Parameter | Value | Unit | Remark |
|--|-------|-----------------------|-------------------------------|
| Density: | ca. | 1,8 g/cm ³ | |
| Package density: | | | not determined |
| pH: | | | not determined |
| Melting point / range: | | | not determined |
| Boiling temperature / range: | | | not determined |
| Flash point: | >130 | °C °C °C | |
| Flammability: | | | not determined |
| Lower flammability limit: | | | not determined |
| Upper flammability limit: | | | not determined |
| Explosion hazard: | | | not explosive. |
| Lower explosion limit: | | | not applicable |
| Upper explosion limit: | | | not applicable |
| Ignition temperature: | | | none Risk of selfignition. |
| Decomposition temperature: | | | not determined |
| Oxidizing characteristics: | | | not determined |
| Vapour pressure: | | | not determined |
| Relative vapour density: | | | not applicable |
| Speed of vaporization/evaporation rate: | | | not applicable |
| Solubility in water: | | | not miscible slightly soluble |
| Fat solubility: | | | not determined |
| Solubility in log P O/W (n-octanol / water): | : | | not determined |
| Viscosity: | | | not determined Different |
| Solvent separation test: | | | not determined |
| Solvent content: | 0 | % by weight | |

9.2 Other information

No information available.

10. Stability and reactivity

10.1 Reactivity

Polymerization.

10.2 Chemical stability

Chemicals / Products that react together readily Curing agent (crosslinking agent)

10.3 Possibility of hazardous reactions

Polymerization.

10.4 Conditions to avoid

heat. UV-radiation/sunlight.

10.5 Incompatible materials

Heavy metals. Peroxides. NR (Natural rubber (caoutchouc), Natural latex).

10.6 Hazardous decomposition products

Hazardous decomposition products: none

10.7 Additional information

none

11. Toxicological information

11.1 Information on toxicological effects

Toxicological data are not available.

Acute toxicity

| Substance: | CAS-No.: | Toxicological information |
|------------|----------|---------------------------|
| | | |

Specific symptoms in laboratory animals

Toxicological data are not available.

11.2 Irritation and etching

Irritant effect on the skin

none

Irritant effect on the eye

none

Irritant effect on the respiratory tract

none

Etching

not corrosive

11.3 Sensitization

No symptoms known up to now.

11.4 Repeated dose toxicity

Toxicological data are not available.

11.5 CMR effects

Carcinogenicity

No indications of human carcinogenicity exist.

Mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

No indications of human reproductive toxicity exist.

11.6 General remarks

none

Practical experience

No information available.

Other observations

No information available.

Additional information

Data arise from reference works and literature.

12. Ecological information

12.1 Toxicity

Do not empty into drains or the aquatic environment. There are no data available on the mixture itself.

Eco toxicity

| Substance: | CAS-No.: | Ecotoxicity |
|------------|----------|-------------|
| | | |

12.2 Persistence and degradability

There are no data available on the mixture itself.

12.3 Bio accumulative potential

There are no data available on the mixture itself.

12.4 Mobility in soil

There are no data available on the mixture itself.

12.5 Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

There are no data available on the mixture itself.

12.7 Further ecological information

Water Hazard Class: slightly hazardous to water (WGK 1)

12.8 Further details

Do not empty into drains or the aquatic environment.

13. Disposal considerations**13.1 Waste treatment methods****Appropriate disposal/Product**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Appropriate disposal/ packaging

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Control report for waste code/ waste marking according to EAKV

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Waste key product: 07 02 17 - siliconhaltige Abfälle mit Ausnahme derjenigen, die unter 07 02 16 fallen

Waste key packaging:**Remark**

Waste disposal according to official state regulations.

14. Transport information**14.1 Overland transport (ADR/RID)**

Proper Shipping name

UN No.:

Label:

Remark:

Packing Group:

Classification code:

Not a hazardous material with respect to these transportation regulations.

14.2 Transport by sea (IMDG)

Proper Shipping name

UN-No.:

Label:

EmS-No:

Special Provisions:

Remark:

Packing Group:

MFAG:

Marine pollutant:

Not a hazardous material with respect to these transportation regulations.

14.3 Air transport (ICAO-TI / IATA-DGR)

Proper Shipping name

UN/ID-No.:

Label:

Remark:

Packing Group:

Not a hazardous material with respect to these transportation regulations.

14.4 Mail

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information

15.1 Labelling

Hazardous component(s) for labelling

Special labelling of particular preparations

No label required according to 1999/45/EC, annex V B, No. 9.

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

EU-Regulations

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)
none

Regulation (EC) No 2037/2000 on substances that deplete the ozone layer
none

Regulation (EC) No 850/2004 on persistent organic pollutants
none

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals
none

Regulation (EC) No 648/2004 (Detergents regulation)
none

Restrictions under Title VIII of Regulation (EC) No 1907/2006
none

National regulations

Moreover, national legislation has to be observed!

Informations on working limitations

none

Major Accidents Ordinance

Not subject to StörfallVO.

Storage class according to VCI**Water Hazard Class according to VwVwS**

1 weak water pollutant (WGK 1)

Technical Instructions on Air Quality Control (TA-Luft)

No information available.

Further regulations, limitations and legal requirements

none

15.3 Chemical safety assessment

For this preparation a chemical safety assessment has been carried out:

For this substance a chemical safety assessment has not been carried out.

16. Other information**16.1 Wording of the H and R-phrases under paragraph 3**

Regulation (EC) No 1272/2008

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Directive 67/548/EEC

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16.2 Training instructions

none

16.3 Recommended restrictions of use

none

16.4 Further remarks

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.

16.5 Documentation of changes

* Data changed from previous versions

16.6 Data sources

Data arise from reference works and literature.

16.7 Key and definition

none

17. Appendix

17.1 Exposure scenario

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