

1 Identification of substance:

- **Product details:**
- **Trade name:** Air-Flow Classic Powder
(Flavour: Tropical, Mint, Cherry, Cassis, Lemon)
- **Application of the substance / the preparation:** Cleansing of teeth
- **Manufacturer / Supplier:**
Dr. Wittmann GmbH & Co. KG
Rieslingstraße 8
D-64673 Zwingenberg
Tel.: ++49 (0) 6251 - 70 36 26
Fax : ++49 (0) 6251 - 84 82 66
- **E-mail address of the competent person responsible for the Safety Data Sheet:** sdb@csb-online.de
- **Informing department:** Sales
- **Emergency information:** As above or next toxicological information centre

2 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man and environment**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Void

- **Other components:**

CAS: 144-55-8	sodium hydrogencarbonate	50-100%
EINECS: 205-633-8		

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:** The product is not skin irritating.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents**
Product does not burn - take extinguishing measures according to fire conditions.
- **For safety reasons unsuitable extinguishing agents** none
- **Special hazards caused by the material, its products of combustion or flue gases:**
Carbon monoxide (CO) and Carbon dioxide (CO₂)

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- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Cool endangered containers with water spray jet.
If without risk possible, move drums with material away from dangerous area.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation.
- **Measures for environmental protection:** Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
Collect mechanically.
Send for recovery or disposal in suitable containers.
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Observe all local and national regulations for storage of water polluting products.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Protect from humidity and keep away from water.
Store in cool, dry conditions in well sealed containers.
Store container in a well ventilated position.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
Observe all workplace limits for dust.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
- **Breathing equipment:** Use breathing protection in case of dust formation.
- **Protection of hands:**
Protective gloves
To avoid skin problems reduce the wearing of gloves to the required minimum.
Check the permeability prior to each renewed use of the glove.
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.
- **Material of gloves**

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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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

Protective gloves should be replaced at first signs of wear.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Safety glasses

Not required.

· **Body protection:** Protective clothing should be selected specifically for the working place.

9 Physical and chemical properties:

· **General Information**

Form:	Powder
Colour:	white
Smell:	characteristic

· **Change in condition**

Melting point/Melting range: not determined

Boiling point/Boiling range: not determined

· **Flash point:** not applicable

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Density at 20°C:** 700 - 1150 kg/cm³

· **Solubility in / Miscibility with**

Water at 20°C: 95 g/l

· **pH-value at 20°C:** 8.1

· **Additional information** Further informations please refer to technical data sheet.

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

· **Materials to be avoided:** Acids

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** Carbon monoxide (CO) and Carbon dioxide (CO₂)

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

144-55-8 sodium hydrogencarbonate

Oral	LD50	4220 mg/kg (rat)
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· **Primary irritant effect:**

· **on the skin:** Dust particles may mechanically irritate the skin.

· **on the eye:** Dust particles may mechanically irritate the eye.

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Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

Ecotoxicological effects:

Aquatic toxicity:

144-55-8 sodium hydrogencarbonate

EC50/48 h 2350 mg/l (water flea (*daphnia magna*))

LC50/96 h 7550 mg/l (*gambusia affinis*)

8250 mg/l (*bluegill (lepomis macrochirus)*)

Additional ecological information:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water

13 Disposal considerations

Product:

Recommendation: Disposal must be made according to official regulations.

European waste catalogue:

Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Land transport ADR/RID (cross-border):

ADR/RID Class: -

Maritime transport IMDG-Code:

IMDG Class: -

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

Transport/Additional information: Not dangerous according to the above specifications.

15 Regulatory information

Designation according to EC guidelines:

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

Observe all safety regulations when handling chemicals.

National regulations

Decree to be applied in case of technical fault: -

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water

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16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases:

The(se) R-phrase(s) are those of the ingredient(s) and do(es) not necessarily represent the classification of the preparation.

· Department issuing MSDS:

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Parkstraße 29 Fax: +49 - 2151 - 652086-9
D-47829 Krefeld
Germany

· Sources: *These data are based on information submitted by pre-suppliers.*

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