

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.08.2013

Version number 2

Revision: 07.08.2013

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

- **Date of compilation:** 04.06.2010
- **1.1 Product identifier**
- **Trade name:** AIR-FLOW Classic Powder
(Flavour: Tropical, Mint, Cherry, Cassis, Lemon)
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation:** Cleansing of teeth
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
Dr. Wittmann GmbH & Co. KG
Rieslingstraße 8

D-64673 Zwingenberg
- Tel.: +49 (0) 6251 – 770769- 0
Fax.: +49 (0) 6251 – 770769-99
- **E-mail address of the competent person responsible for the Safety Data Sheet:** sdb@csb-online.de
- **Informing department:** Sales
- **1.4 Emergency telephone number:** As above or next toxicological information centre.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **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.
- **2.2 Label elements**
- **Labelling according to EU 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.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **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.

SECTION 4: First aid measures

- **4.1 Description of 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.

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.08.2013

Version number 2

Revision: 07.08.2013

Trade name: Air-Flow Classic Powder
(Flavour: Tropical, Mint, Cherry, Cassis, Lemon)

(Contd. of page 1)

- **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.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
 No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
 Product does not burn - take extinguishing measures according to fire conditions.
- **For safety reasons unsuitable extinguishing agents** none
- **5.2 Special hazards arising from the substance or mixture**
 Carbon monoxide (CO) and Carbon dioxide (CO₂)
- **5.3 Advice for firefighters**
- **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.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
 Ensure adequate ventilation.
 Collect mechanically.
 Send for recovery or disposal in suitable containers.
 Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
 See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **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:**
 Store container in a well ventilated position.
 Protect from humidity and keep away from water.
 Store in cool, dry conditions in well sealed containers.
- **7.3 Specific end use(s)** No further relevant information available.

GB

(Contd. on page 3)

MDO / CDL 2013-10-09

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.08.2013

Version number 2

Revision: 07.08.2013

Trade name: Air-Flow Classic Powder
(Flavour: Tropical, Mint, Cherry, Cassis, Lemon)

(Contd. of page 2)

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **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.
- **8.2 Exposure controls**
- **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.
- **Recommended filter device for short term use:** Partikelfilter EN 143 Type P2
- **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**
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
- **Body protection:** Body protection must be chosen depending on activity and possible exposure.
- **Limitation and supervision of exposure into the environment**
Do not allow to enter drainage system, surface or ground water.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Powder
Colour:	white
Smell:	characteristic
Odour threshold:	not determined
- **pH-value at 20 °C:** 8.1
- **Change in condition**

Melting point/Melting range:	not determined
Boiling point/Boiling range:	not determined
- **Flash point:** not applicable
- **Inflammability (solid, gaseous)** not determined

(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.08.2013

Version number 2

Revision: 07.08.2013

Trade name: Air-Flow Classic Powder
(Flavour: Tropical, Mint, Cherry, Cassis, Lemon)

(Contd. of page 3)

· Ignition temperature:	not determined
· Decomposition temperature:	not determined
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive.
· Critical values for explosion:	
Lower:	not determined
Upper:	not determined
· Oxidizing properties	not classified as oxidising
· Vapor pressure:	not applicable
· Density at 20 °C:	700 - 1150 kg/cm ³
· Relative density	not determined
· Vapour density (AIR = 1):	not applicable
· Evaporation rate	not applicable
· Solubility in / Miscibility with Water at 20 °C:	95 g/l
· Partition coefficient (n-octanol/water):	not determined
· Viscosity:	
dynamic:	not determined
kinematic:	not determined
· 9.2 Other information	Further informations please refer to technical data sheet.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Acids
- **10.6 Hazardous decomposition products:** Carbon monoxide (CO) and Carbon dioxide (CO₂)

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

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

144-55-8 sodium hydrogencarbonate

Oral LD50 4220 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** Dust particles may mechanically irritate the skin.
- **on the eye:** Dust particles may mechanically irritate the eye.

- **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.

- **Sensitisation** No sensitizing effect known.

(Contd. on page 5)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.08.2013

Version number 2

Revision: 07.08.2013

Trade name: Air-Flow Classic Powder
(Flavour: Tropical, Mint, Cherry, Cassis, Lemon)

(Contd. of page 4)

- **Repeated dose toxicity** According to information currently no known toxic effects
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
According to present knowledge no CMR-effects known.

SECTION 12: Ecological information

· 12.1 Toxicity

· 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))

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
 - **Chemical Oxygen Demand (COD-value):** not determined
 - **Biochemical Oxygen Demand (BOD5-value):** not determined
 - **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.
- **Waste disposal key number:** According to local/national 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.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number | Void |
| · ADR, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | Void |
| · ADR, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

(Contd. on page 6)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.08.2013

Version number 2

Revision: 07.08.2013

Trade name: Air-Flow Classic Powder
(Flavour: Tropical, Mint, Cherry, Cassis, Lemon)

(Contd. of page 5)

- | | |
|--|--|
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Decree to be applied in case of technical fault:** Directive 96/82/EC does not apply.
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
This mixture does not contain any substances, that are included in the candidate list for eventual authorisation.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Reasons for changes:**
The Material Safety Data Sheet has been revised. Changes in the respective chapters are characterized in the left side edge by *.
- **Relevant phrases**
The(se) R- resp. H-phrase(s) are those of the ingredient(s) and do(es) not necessarily represent the classification of the preparation.
- **Department issuing MSDS:**
C.S.B. GmbH
Düsseldorfer Str. 113
47809 Krefeld / Germany

Phone: +49 - 2151 - 652086-0
Fax: +49 - 2151 - 652086-9
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
- **Sources:** These data are based on information submitted by pre-suppliers.
- *** Data compared to the previous version altered.**

GB

MDO / CDL 2013-10-09