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

1.1 Product Identifier

Material Name / Trade Name	**ALFA Allergencode (single allergen, allergen mixes)**
REF-No.	**18-code**

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

Identified Uses	Only for medical expert groups
Uses advised against	Not for use by laymen

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier	Dr. Fooke-Achterrath Laboratorien GmbH Habichtweg 16 D-41468 Neuss Germany
Phone	+49 2131 2984 0
Fax	+49 2131 2984 184
Email-Address	information@fooke-labs.de

1.4 Emergency telephone number

Toxin Information University Bonn	+49 228 19240

Section 2: Hazards identification

2.1 Classification of the substance or mixture

No dangerous substance or mixture according to Regulation (EC) 1272/2008.
According to Directive 67/548/EEC not classified as dangerous.

2.2 Label Elements

The product has no obligation to label according to EC directives.

2.3 Other hazards

Potentially allergy-causing.

Section 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

ALFA Allergencode

Classification acc. to Regulation (EC) 1272/2008	No dangerous substance or mixture.
Dangerous ingredients	Contains potentially allergy-causing substances (< 0.001%).

Chemical Nomenclature	Bronidox L (5-Bromo-5-nitro-1,3-dioxane)
CAS-No.	30007-47-7
EC-No.	-
Index-No.	-

REACH-Registration-No.	-
concentration	< 0.2 %
Classification acc. to Regulation (EC) 1272/2008	Acute Toxicity, Oral, Category 4, H302; Skin corrosion/irritation, Category 2, H315

For the original terms of the hazards and precautionary statements see section 16.

Section 4: First aid measures

4.1 Description of first aid measures

General Instructions	Remove person out of danger area. Do not leave person unattended. In case of continuing discomfort call a physician. In case of unconsciousness apply recovery position and call a physician. Present the material safety data sheet to the attending physician.
After Inhalation	For inhalation bring person to fresh air. In case of breathing arrest ventilate person.
After Skin Contact	Wash affected site with soap and plenty of water. Remove contaminated clothes.
After Eye Contact	Keep affected eye widely open and rinse with plenty of water. Remove contact lenses. Call a physician. Protect unaffected eye.
After Swallowing	Rinse mouth repeatedly with water. Spit water. Never infuse an unconscious person into the mouth.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.
5.2 Special hazards arising from the substance or mixture	In case of fire dangerous vapours or gases like carbon monoxide, carbon dioxide can develop.
5.3 Advice for firefighters	In case of fire, wear a self-contained breathing apparatus and protective clothing.
5.4 Further Informationen	Collect contaminated fire fighting water. Must not reach the canalization. Dispose fire waste and contaminated fire fighting water according to local regulations.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid formation of dust. Do not inhale vapours / mist / gas. Ensure sufficient ventilation. Vapours can accumulate in cavernous areas. For personal protective equipment see section 8. Remove persons out of the danger area.

6.2 Environmental precautions

Avoid spilling or leakage. Do not let reach the canalization.

In case of contamination of waters or canalization inform the authorities.

6.3 Methods and material for containment and cleaning up

Confine and absorb leaked material with absorbing adhesive material (e.g. sand, soil, universal binder), and dispose in container according to national / local regulations (see section 13).

6.4 Reference to other sections

For disposal see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Instructions for safe handling	Do not leave vials open. Avoid spilling. Avoid contact with eyes and skin. Wear personal protective equipment (see section 8). Follow general hygiene measures.
Instructions for fire protection and explosion control	Do not spray against flames or on glowing objects. Avoid electrostatic discharge (could ignite organic vapours). Use explosion controlled equipment. Keep away from flames, hot surfaces and sources of ignition.
General hygiene measures	Do not eat, drink, smoke in working areas. Wash hands after use / work. Remove contaminated clothes or protective equipment before entering areas where you eat.

7.2 Conditions for safe storage, including any incompatibilities

Recommended storage temperature	See label and instructions for use.
Recommended storage conditions	Store in genuine container. Keep container closed and store upright.
Further Instructions	Do not store together with drugs, food or animal feeds.

7.3 Specific end use(s)

For use by medical expert groups. For additional advice see the instructions for use.

Section 8: Exposure controls/personal protection

8.1 Control parameters

The components do not contain substances with occupational exposure limit values.

8.2 Exposure controls / personal protective equipment

Eye protection	Rinse bottle for eyes with pure water. In case of extrusion wear tight protection goggles, eventually use a face protection shield.
Hand protection	Wear protective gloves. Check the suitability with the supplier of the protective gloves.
Skin and body protection	Wear tight protective clothing (lab coat and shoes).
Inhalation protection	Normally no personal inhalation protection required.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

ALFA Allergencode

Appearance :	liquid
Colour :	colourless
Odour :	odourless
Odour threshold :	No data available
pH :	7
Melting point/freezing point :	No data available
Initial boiling point and boiling range :	No data available
Flash point :	Not inflammable
Evaporation rate :	No data available
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	No data available
Vapour pressure :	No data available
Vapour density :	No data available
Relative density :	No data available
Solubility(ies) :	Completely soluble in water
Partition coefficient: n-octanol/water :	No data available
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Viscosity :	No data available
Explosive properties :	No data available
Oxidising properties :	No data available

9.2 Other Information --

Section 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known in designated use.

10.2 Chemical Stability

Stable under normal conditions according to the instructions for use till the stated date of expiry.

10.3 Possibility of hazardous reactions

No dangerous reactions expected in designated use.

Vapours can form explosive mixtures with air.

10.4 Conditions to avoid

Heat, Flames and Sparks.

10.5 Incompatible materials

No data available.

The stop solution (<5% sulfuric acid) can be oxidizing. Avoid contact with metals (risk of corrosion).

10.6 Hazardous decomposition products

No data available.

Section 11: Toxicological information

11.1 Information on toxicological effects

There are no toxicological reports available for the mixtures.

ALFA Allergencode

acute toxicity	No data available
Skin corrosion / irritation	No data available
Serious eye damage / irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
carcinogenicity	No data available
Reproductive toxicity	No data available
STOT - single exposure	No data available
STOT – repeated exposure	
Aspiration hazard	

Section 12: Ecological information

12.1	**Toxicity**	No data avaible
12.2	**Persistence and degradability**	No data avaible
12.3	**Bioaccumulative potential**	No data avaible
12.4	**Mobility in soil**	No data avaible
12.5	**Results of PBT and vPvB assessment**	No data avaible
12.6	**Other adverse effects**	No data avaible

Section 13: Disposal considerations

13.1 Waste treatment methods

ALFA Allergencode	Dispose in normal residual waste.
Package Material	Deplete rest like product. Do not reuse empty container. Do not burn empty container.

Section 14: Transport information

14.1 UN-Number

ADR: -- IMDG: -- IATA: --

14.2 UN proper shipping name

ADR	Kein Gefahrgut
IMDG	Not dangerous goods
IATA	Not dangerous goods

14.3 Transport hazard class(es)

ADR: -- IMDG: -- IATA: --

14.4 Packing group

ADR: -- IMDG: -- IATA: --

14.5 Environmental hazards none

14.6 Special precautions for user

none

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

Section 15: Regulatory information

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

This Material Safety Data Sheet meets the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

A chemical safety assessment is not required for this product in designated use.

Section 16: Other information

Hazard Statements

H302	Harmful if swallowed.
H315	Causes skin irritation.

Other Abbreviations

Further Information

The information in this material safety data sheet represent our best knowledge at the time of revision. The information shall give you an indication for the safe handling, storage, packaging, transport and disposal of the product mentioned in this data sheet. The information cannot be transferred to other products. If the product mentioned in this data sheet is mixed or processed with other materials or is itself further processed then the information and data in this data sheet cannot be assigned to the new material.