

# SAFETY DATA SHEET

## BIO FRESH

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

#### 1.1. Product identifier

Product name BIO FRESH

Product number T032

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

Identified uses Air Freshener

#### 1.3. Details of the supplier of the safety data sheet

Supplier **SELDEN RESEARCH LIMITED**  
STADEN LANE  
BUXTON  
DERBYSHIRE  
SK17 9RZ  
UNITED KINGDOM

Tel. 01298 26226  
Fax. 01298 26540  
email safety@selden.co.uk

#### 1.4. Emergency telephone number

National emergency telephone number Mon to Fri 8.30am to 5.00pm - 01298 26226

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

##### Physical hazards

Not Classified

##### Health hazards

Eye Irrit. 2 - H319 Elicitation (Skin Sens.)

##### Environmental hazards

Not Classified

##### Classification (67/548/EEC or 1999/45/EC)

Xi;R36.

#### 2.2. Label elements

##### Pictogram



Signal word Warning

##### Hazard statements

H319 Causes serious eye irritation.  
EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

##### Precautionary statements

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P102 Keep out of reach of children.

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

No other hazards known. This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>2-BUTOXYETHANOL</b> <b>CAS number:</b> 111-76-2 <b>EC number:</b> 203-905-0	<b>5-10%</b>
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/21/22 Xi;R36/38
<b>Alcoholic Ethoxylate</b> <b>CAS number:</b> 160901-19-9 <b>EC number:</b> —	<b>1-5%</b>
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41.
<b>1,2-BENZISOTHIAZOL-3(2H)-ONE</b> <b>CAS number:</b> 2634-33-5 <b>EC number:</b> 220-120-9 <b>M factor (Acute) = 10</b>	<b>&lt;1%</b>
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22 R43 Xi;R38,R41 N;R50

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

#### Ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting.

#### Skin contact

Rinse with water. Get medical attention if any discomfort continues.

#### Eye contact

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Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### **4.2. Most important symptoms and effects, both acute and delayed**

#### **Inhalation**

Irritation of nose, throat and airway.

#### **Ingestion**

May cause stomach pain or vomiting. Diarrhoea.

#### **Skin contact**

Prolonged contact may cause redness, irritation and dry skin.

#### **Eye contact**

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

### **4.3. Indication of any immediate medical attention and special treatment needed**

#### **Notes for the doctor**

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

### **5.2. Special hazards arising from the substance or mixture**

#### **Hazardous combustion products**

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### **5.3. Advice for firefighters**

#### **Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **Personal precautions**

For personal protection, see Section 8.

### **6.2. Environmental precautions**

#### **Environmental precautions**

Any spillage needs to be contained and not allowed to enter water courses

### **6.3. Methods and material for containment and cleaning up**

#### **Methods for cleaning up**

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

### **6.4. Reference to other sections**

#### **Reference to other sections**

For personal protection, see Section 8. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Usage precautions**

Eye protection should be considered where there is a risk of splashing. Rubber gloves and barrier cream are recommended when using any chemical.

### **7.2. Conditions for safe storage, including any incompatibilities**

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### Storage precautions

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

#### Usage description

See product label for detailed usage and instructions.

## **SECTION 8: Exposure Controls/personal protection**

### 8.1. Control parameters

#### Occupational exposure limits

#### 2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk)

WEL = Workplace Exposure Limit

#### Ingredient comments

No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Eye/face protection

Tight-fitting safety glasses.

#### Hand protection

Hand protection not required.

#### Other skin and body protection

General workwear only

## **SECTION 9: Physical and Chemical Properties**

### 9.1. Information on basic physical and chemical properties

#### Appearance

Opaque liquid. Liquid

#### Colour

White.

#### Odour

Lemon.

#### pH

pH (concentrated solution): 6.0 - 7.0

#### Initial boiling point and range

100°C @

#### Relative density

0.994 - 1.004 @ @ 20°C

#### Solubility(ies)

Soluble in water.

### 9.2. Other information

#### Other information

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None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

May react with other cleaning chemicals. For specific reactions refer to Section 10.5

#### 10.2. Chemical stability

##### **Stability**

Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Not applicable.

#### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

#### 10.5. Incompatible materials

##### **Materials to avoid**

Strong acids. Strong alkalis.

#### 10.6. Hazardous decomposition products

Not known.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### **Toxicological effects**

No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.

##### **Acute toxicity - oral**

###### **ATE oral (mg/kg)**

7,821.66601486

##### **Acute toxicity - dermal**

###### **ATE dermal (mg/kg)**

20398.70190079

##### **Acute toxicity - inhalation**

###### **ATE inhalation (vapours mg/l)**

203.98701901

##### **Ingestion**

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Diarrhoea. Nausea, vomiting.

##### **Skin contact**

Prolonged contact may cause dryness of the skin.

##### **Eye contact**

Irritation is likely.

### SECTION 12: Ecological Information

##### **Ecotoxicity**

Not classed as Hazardous to the Environment but release to the environment should be avoided.

#### 12.1. Toxicity

Aquatic toxicity has not been carried out on this product. Data for raw materials contained in this product, when available, can be provided when necessary.

#### 12.2. Persistence and degradability

##### **Persistence and degradability**

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The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.

### **12.3. Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

### **12.4. Mobility in soil**

#### **Mobility**

The product contains substances, which are water soluble and may spread in water systems.

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

### **12.6. Other adverse effects**

None known.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## **SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

Not applicable.

### **14.3. Transport hazard class(es)**

Not applicable.

### **14.4. Packing group**

Not applicable.

### **14.5. Environmental hazards**

**Environmentally hazardous substance/marine pollutant**

No.

### **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.

## **SECTION 15: Regulatory information**

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

#### **National regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### **EU legislation**

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and

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mixtures (as amended).

### Guidance

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

### 15.2. Chemical safety assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture.

## SECTION 16: Other information

### General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

### Revision comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

**Revision date** 20/02/2015

**Revision** 4

### Risk phrases in full

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage to eyes.

### Hazard statements in full

EUH208 Contains 1,2-BENZISOTHAZOL-3(2H)-ONE. May produce an allergic reaction.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H400 Very toxic to aquatic life.