



## **BENZOIN RESINOID ESSENTIAL OIL MATERIAL SAFETY DATA SHEET**

<b>SECTION 1: Identification of the substance/mixture and of the company/undertaking</b>
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### **1.1 Product identifier**

Trade name: BENZOIN RESINOID 50 %

Article number: HRFUK 250

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

No further relevant information available.

Application of the substance / the mixture Multi uses

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

Manufacturer/Supplier:

G. Baldwin & Co.

173 Walworth Road,

LONDON, ENGLAND. SE17 1RW.

Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264

E-mail: [info@baldwins.co.uk](mailto:info@baldwins.co.uk)

Web: [www.baldwins.co.uk](http://www.baldwins.co.uk)

#### 1.4. Emergency telephone number

Emergency tel: +44 (0) 207 703 5550  
(office hours only)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS08 health hazard

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

GHS05 GHS07 GHS08 GHS09

Hazard pictograms

Signal word: Danger

Hazard-determining components of labelling:

benjoin Absolu

Benzyl benzoate

Hazard statements:

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with  
local/regional/national/international regulations.

## 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

<b>SECTION 3: Composition/information on ingredients</b>
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## 3.2 Chemical characterisation: Mixtures

Description: NCS (UVCB) Constituents Information

Hazardous components:

25-50%

25-50%

CAS: 9000-72-0

EINECS: 281-683-4

benjoin Absolue

CAS: 120-51-4

EINECS: 204-402-9

Benzyl benzoate

Aquatic Acute 1, H400; Aquatic Chronic 2, H411;

Chronic 3, H412

STOT RE 1, H372; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic

Acute Tox. 4, H302

Additional information: For the wording of the listed hazard phrases refer to section 16.

<b>SECTION 4: First aid measures</b>
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#### **4.1 Description of first aid measures**

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water.  
Then consult a doctor.

After swallowing:

Call for a doctor immediately.

Inform doctor. Do not give milk or fatty oils.

#### **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.

<b>SECTION 5: Firefighting measures</b>
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##### **5.1 Extinguishing media**

Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

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

During heating or in case of fire poisonous gases are produced.

Carbon monoxide (CO)

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

Protective equipment: Mount respiratory protective device.

<b>SECTION 6: Accidental release measures</b>
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## **6.1 Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

## **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

## **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

<h2><b>SECTION 7: Handling and storage</b></h2>
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### **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire -and explosion protection: Keep respiratory protective device available.

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

Storage:

Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep receptacle tightly sealed.

Store in the dark.

## **7.3 Specific end use(s)**

No further relevant information available.

<h2><b>SECTION 8: Exposure controls/personal protection</b></h2>
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Additional information about design of technical facilities: No further data; see item 7.

### **8.1 Control parameters**

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

. Additional information: The lists valid during the making were used as basis.

### **8.2 Exposure controls**

Personal protective equipment:



General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

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 cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

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

Eye protection:

Tightly sealed goggles

<b>SECTION 9: Physical and chemical properties</b>
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### **9.1 Information on basic physical and chemical properties**

#### General Information

Appearance:

Form: Liquid

Colour: According to product specification

Odour: Characteristic

pH-value: Not determined.

#### Change in condition

Melting point/Melting range: Undetermined.

Flash point (closed cup -ASTM D6450): > 65 °C

Flammability (solid, gaseous): Not applicable.

Ignition temperature:

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Density:

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with water: Not miscible or difficult to mix.

Solvent content:

Solids content: 50.0 %

### **9.2 Other information**

No further relevant information available.

<b>SECTION 10: Stability and reactivity</b>
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**10.1 Reactivity**

No further relevant information available.

**10.2 Chemical stability**

Thermal decomposition / conditions to be avoided: No decomposition if used 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:**

No further relevant information available.

**10.6 Hazardous decomposition products:**

No dangerous decomposition products known.

<b>SECTION 11: Toxicological information</b>
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**11.1 Information on toxicological effects**

Acute toxicity

Harmful if swallowed.

LD/LC50 values relevant for classification:

120-51-4 Benzyl benzoate

Oral

Dermal

LD<sub>50</sub>

LD<sub>50</sub>

500 mg/kg (rat)

4000 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

CMR effects: (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard: Based on available data, the classification criteria are not met.

<b>SECTION 12: Ecological information</b>
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**12.1 Toxicity**

Aquatic toxicity: No further relevant information available.

**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.

Ecotoxical effects:

Remark:

Very toxic for fish

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

Toxic for aquatic organisms

## 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: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

# SECTION 14: Transport information

## 14.1 UN-Number

ADR, IMDG, IATA UN3082

## 14.2 UN proper shipping name

ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

LIQUID, N.O.S. (Benzyl benzoate)

IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

LIQUID, N.O.S. (Benzyl benzoate), MARINE POLLUTANT

IATA Environmentally hazardous substance, liquid, n.o.s.

(Benzyl benzoate)

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

ADR

Class 9 (M6) Miscellaneous dangerous substances and articles.

Label 9

IMDG, IATA

Class 9 Miscellaneous dangerous substances and articles.

Label 9

### **14.4 Packing group**

ADR, IMDG, IATA III

### **14.5 Environmental hazards:**

Product contains environmentally hazardous substances:

Benzyl benzoate

Marine pollutant: Yes

Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)

Special marking (IATA): Symbol (fish and tree)

### **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

Danger code (Kemler): 90

EMS Number: F-A,S-F

Stowage Category A

### **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

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

ADR

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category 3

Tunnel restriction code E

Remarks: not dangerous

ADN

Remarks: not dangerous

IMDG

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Remarks: not dangerous

IATA

Remarks: not dangerous

UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS

SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE), 9,

III

<b>SECTION 15: Regulatory information</b>
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## **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/EU

Named dangerous substances –ANNEX I None of the ingredients is listed.

Seveso category EI Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 100t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200t

## **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

<b>SECTION 16: Other information</b>
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Relevant phrases

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Department issuing MSDS: Department Essentials Oils

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the

International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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 Harmonised 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

LD<sub>50</sub>: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity, Hazard Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Skin Sens. 1: Sensitisation –Skin, Hazard Category 1

STOT RE 1: Specific target organ toxicity –Repeated exposure, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment –Acute Hazard, Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment –Chronic Hazard,  
Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment –Chronic Hazard,  
Category 3



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