

## Safety Data Sheet

### ISCAGUARD BSB

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

##### 1.1 Product identifier

Product name: ISCAGUARD BSB  
Substance / Mixture: Mixture  
Substance name: no data available.  
CAS No.: no data available.  
EC No.: no data available.  
Index No.: no data available.

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

Relevant identified uses: Preservative for cosmetic and personal care products.

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

Name: ISCA UK Ltd  
Street: Unit 29, Nine Mile Point Industrial Estate, Crosskeys, Newport  
Postal code / City: NP11 7HZ  
Country: United Kingdom  
Telephone: +44 (0) 1495 200747  
Telefax: +44 (0) 1495 200757  
E-mail: technical@iscauk.com

##### 1.4 Emergency Telephone Number

Telephone: +44 (0) 1495 200747

#### SECTION 2: Hazards identification

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

###### 2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Dam. 1	H318: Causes serious eye damage.
STOT RE 1	H372: Causes damage to lungs through prolonged or repeated exposure.
Acute Tox. 4 (oral)	H302: Harmful if swallowed.
Acute Tox. 4 (Inhalation)	H332: Harmful if inhaled.
Skin Irrit. 2	H315: Causes skin irritation.

##### 2.2 Label elements

###### Hazard pictograms



###### Signal word

###### Hazard Statements

###### Danger

H318: Causes serious eye damage.  
H372: Causes damage to lungs through prolonged or repeated exposure.

H302: Harmful if swallowed.  
H332: Harmful if inhaled.  
H315: Causes skin irritation.

#### Precautionary Statements

P260: Do not breathe mist/vapours/spray.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves/protective clothing and eye/face protection.  
P301+P312: IF SWALLOWED: Call a doctor if you feel unwell.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P314: Get medical advice/attention if you feel unwell.  
P501: Dispose of contents/container to hazardous waste disposal.

#### 2.3 Other hazards

No further relevant information available.

#### Results of PBT and vPvB assessment

The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Product name: ISCAGUARD BSB

Substance name (CAS No.) {EC}	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Type
benzyl Alcohol (100-51-6)	85.5	Acute Tox. 4; H302 Acute Tox. 4; H332	[1]
benzoic acid (65-85-0)	10.0	Skin Irrit. 2; H315 Eye Dam 1; H318 STOT RE 1; H372 (lungs, Inhalation)	[1]
hexa-2,4-dienoic acid (110-44-1)	4.5	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Inhalation)  Full text of H- and EUH-statements: see section 16.	[1]

Type: [1] Constituent, [2] Impurity, [3] Stabilizing additive

Substance	CAS No.	REACH No.
benzyl Alcohol	100-51-6	01-2119492630-38-XXXX
benzoic acid	65-85-0	01-2119455536-33-XXXX
hexa-2,4-dienoic acid	110-44-1	01-2119950330-49-XXXX

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Remove person to fresh air and keep comfortable for breathing.  
Get medical advice/attention.

#### Skin contact

Wash with plenty of soap and water.

#### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. When in doubt or if symptoms are observed, get medical advice.

#### Following ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention.

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

The symptoms and effects are as expected from the hazards as shown in Section 2.  
No specific symptoms known.

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

Treat symptomatically.  
If skin irritation or rash occurs: Get medical advice/attention.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, Dry extinguishing powder, Foam, Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media: Full water jet.

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

Hazardous decomposition products: Section 10.  
In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.

### 5.3 Advice for firefighters

Keep containers cool with water spray.  
In case of fire and/or explosion do not breathe fumes.  
Co-ordinate firefighting measures to the fire surroundings.  
Do not allow firefighting water to enter drains or water courses.  
Collect contaminated firefighting water separately.  
Fight fire with normal precautions from a reasonable distance.

#### Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.  
self-contained breathing apparatus (EN 133)

## SECTION 6: Accidental release measures

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

Wear respiratory protection. Provide adequate ventilation. Remove all sources of ignition.  
Safe handling: see section 7  
Personal protection equipment: see section 8

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Take up mechanically, placing in appropriate containers for disposal. Provide adequate ventilation.

### 6.4 Reference to other sections

Personal protection equipment: see section 8.  
Hazardous decomposition products: Section 10.  
Disposal: see section 13.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Advices on safe handling: Personal protection equipment: see section 8  
Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Keep container tightly closed.

Measures to prevent fire: Usual measures for fire prevention. Keep away from sources of ignition - No smoking. In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.

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

Technical measures and storage conditions: Keep container tightly closed in a cool, well-ventilated place.

Advice on joint storage: Keep away from: Food and feedingstuffs, Incompatible materials, Oxidizing agent, Provide adequate ventilation.

Other: Stable under recommended storage and handling conditions.

### 7.3 Specific end use(s)

Preservative for cosmetic and personal care products.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters Occupational exposure limits

#### DNEL (Human health)

Substance name: benzyl alcohol

Route of exposure	Acute effects		Chronic effects		
	Local	Systemic	Local	Systemic	
Inhalation		110 mg/m <sup>3</sup>		22 mg/m <sup>3</sup>	Workers
dermal		40 mg/kg bw/day		8 mg/kg bw/day	
Inhalation		27 mg/m <sup>3</sup>		5.4 mg/m <sup>3</sup>	Consumers
dermal		20 mg/kg bw/day		4 mg/kg bw/day	
oral		20 mg/kg bw/day		4 mg/kg bw/day	

#### PNEC (Environmental)

Substance name: benzyl alcohol

Environmental protection target	PNEC
freshwater	1 mg/l
marine water	0.1 mg/l
sewage treatment plant (STP)	39 mg/l
freshwater, sediment	5.27 mg/kg dwt
marine water, sediment	0.527 mg/kg dwt
soil	0.456 mg/kg dwt

### 8.2 Exposure controls Appropriate engineering controls

Provide adequate ventilation.

#### Personal protection

Respiratory protection: Wear breathing apparatus if exposed to vapours/dusts/aerosols. Filter type: DIN 3181 ABEK

Hand protection: Wear protective gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Type: EN 374

Suitable eye protection: Eye glasses with side protection. Type: EN 166

Skin protection: For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Advices on general occupational hygiene: Do not breathe dusts/mists.  
 Avoid contact with skin, eyes and clothes.  
 Do not eat, drink or smoke when using this product.

Wash hands before breaks and after work.  
Wash contaminated clothing before reuse.

**Environmental precautions**

General advice: Do not allow to enter into surface water or drains. In case of escape or of entry into waterways, soil or drains, inform the responsible authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless -> yellow
Odour:	Faint. Characteristic.
Odour threshold:	no data available.
pH:	no data available.
Melting point:	no data available.
Boiling point (at 101,3 kPa):	no data available.
Flash point:	no data available.
Lower explosion limit:	no data available.
Auto-ignition temperature:	no data available.
Decomposition temperature:	no data available.
Vapour pressure:	no data available.
Vapour density:	no data available.
Density	no data available.
Relative density:	no data available.
Bulk density:	no data available.
Water solubility:	no data available.
Partition coefficient: n-octanol/water:	no data available.
Kinematic viscosity:	no data available.
Dynamic viscosity:	no data available.
Refraction index:	no data available.

### 9.2 Other information

no data available.

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Stable under recommended storage and handling conditions.

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.  
Stable under recommended storage and handling conditions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5 Incompatible materials

Materials to avoid:  
Acids  
Alkalines  
Oxidizing agent

### 10.6 Hazardous decomposition products

Stable under recommended storage and handling conditions.

In case of fire may be liberated:  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Pyrolysis products

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Acute Tox. 4 (oral) H302: Harmful if swallowed.

Acute Tox. 4 (Inhalation) H332: Harmful if inhaled.

Substance name (CAS No.)	Result	Species	Dose
benzyl Alcohol (100-51-6)	LD50: oral	Rat	1620 mg/kg
	LC50(4h, dust/mist): Inhalation	Rabbit	> 4178 mg/m <sup>3</sup>
benzoic acid (65-85-0)	LD50: oral	Rat	2565 mg/kg
	LC50: Inhalation	Rat	12.2 mg/l
hexa-2,4-dienoic acid (110-44-1)	LD50: oral	Rat	>2000 mg/kg
	LD50: dermal	Rat	>2000 mg/kg

#### Skin corrosion/irritation

Skin Irrit. 2 H315: Causes skin irritation.

#### Serious eye damage/eye irritation

Eye Dam. 1 H318: Causes serious eye damage.

#### Respiratory or skin sensitisation

Skin sensitisation: Not Classified.

Respiratory sensitisation: Not Classified.

#### Germ cell mutagenicity

Not Classified.

#### Carcinogenicity

Not Classified.

#### Reproductive toxicity

Not Classified.

#### Specific target organ toxicity (single exposure)

Not Classified.

#### Specific target organ toxicity (repeated exposure)

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

#### Aspiration hazard

H372: Causes damage to lungs through prolonged or repeated exposure.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Acute effects

Not Classified.

Substance name (CAS No.)	Result	Species	Dose
benzyl Alcohol (100-51-6)	LC50: 96 h	Pimephales promelas (fathead minnow)	460 mg/L
	EC50: 48 h	Daphnia magna (Big water flea)	230 mg/L
benzoic acid (65-85-0)	LC50: 96 h	Lepomis macrochirus (Bluegill)	44.6 mg/L
	EC50: 48 h	Daphnia magna (Big water flea)	>100 mg/L
hexa-2,4-dienoic acid (110-44-1)	no data available.	no data available.	no data available.

#### Chronic effects

Not Classified.

Substance name (CAS No.)	Result	Species	Dose
benzyl Alcohol (100-51-6)	NOEC: 21 d	Daphnia magna (Big water flea)	51 mg/L
	NOEC: 72 h	Algae	310 mg/L
benzoic acid (65-85-0)	NOEC: 28 d	Oncorhynchus mykiss (rainbow trout)	> 120 mg/L
hexa-2,4-dienoic acid (110-44-1)	no data available.	no data available.	no data available.

### 12.2 Persistence and degradability

Substance name: benzyl Alcohol  
 Readily biodegradable (according to OECD criteria).

Substance name: benzoic acid  
 Readily biodegradable (according to OECD criteria).

Substance name: hexa-2,4-dienoic acid  
 no data available.

### 12.3 Bioaccumulative potential

Substance name: benzyl alcohol  
 LogPow: 1.05  
 BCF: 1.37  
 Bioaccumulative potential: Low

Substance name: benzoic acid



LogPow:	1.88
BCF:	-
Bioaccumulative potential	Low

**12.4 Mobility in soil**  
no data available.

**12.5 Results of PBT and vPvB assessment**  
Results of PBT and vPvB assessment: Not Classified.

**12.6 Other adverse effects**  
no data available.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**  
Dispose of contents/container to hazardous waste disposal.

### Other disposal recommendations

Do not allow to enter into surface water or drains.

Dispose of product and packaging in accordance with local and national regulations. Do not dispose of together with household waste.

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA
<b>14.1 UN number</b>	-	-	-
<b>14.2 UN proper shipping name</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.3 Transport hazard class(es)</b>	-	-	-
<b>14.4 Packing group</b>	-	-	-
<b>14.5 Environmental hazards</b>	-	-	-

**14.6 Special precautions for user**  
No further relevant information available.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**  
no data available.

## SECTION 15: Regulatory information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
no data available.

**15.2 Chemical Safety Assessment**  
Substance name: benzyl Alcohol  
For this substance a chemical safety assessment has been carried out.

Substance name: benzoic acid  
For this substance a chemical safety assessment has been carried out.

Substance name: hexa-2,4-dienoic acid  
no data available.

## SECTION 16: Other information'

The above information is believed to be correct but does not purport to be all inclusive, and shall be used only as a guide. ISCA UK Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

### Relevant H- and EUH-phrases (Number and full text)

H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.

### Revision history

Version	Revision date	Indication of changes
V1.0	01-December-2016	Created Regulation (EC) No. 1907/2006 compliant SDS.
V1.1	19-November-2019	Reviewed. No changes
V2.0	02-April-2020	All sections updated
V2.1	11-May-2020	Section 2 and 3 updated