

Safety Data Sheet

ISCAGUARD BA

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

1.1 Product identifier

Product name: ISCAGUARD BA
Substance/Mixture: Substance
Substance name: Benzyl alcohol
CAS No.: 100-51-6
EC No.: 202-859-9
Index No.: 603-057-00-5

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
E-mail: enquiries@iscauk.com

1.4 Emergency Telephone Number

Telephone: +44 (0) 1495 200747

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute Tox. 4 H302: Harmful if swallowed.
Acute Tox. 4 H332: Harmful if inhaled.

2.2 Label elements

Hazard pictograms



Signal word

Warning

Hazard Statements

H302: Harmful if swallowed.
H332: Harmful if inhaled.

Precautionary Statements

P261: Avoid breathing mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P301+P312: IF SWALLOWED: Call a doctor if you feel unwell.

P330: Rinse mouth.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a doctor if you feel unwell.

P501: Dispose of contents/container to hazardous waste disposal.

2.3 Other hazards
no data available.

Results of PBT and vPvB assessment

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

Endocrine disrupting properties

None known.

SECTION 3: Composition/information on ingredients

3.1 Substance
Product name: ISCAGUARD BA

Substance name (CAS No.) {EC} [REACH No.]	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Type
benzyl alcohol (100-51-6) {202-859-9} [01-2119492630-38-XXXX]	~100	Acute Tox. 4; H302 Acute Tox. 4; H332 Full text of H- and EUH-statements: see section 16.	[1]

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

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.
Get medical advice/attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical advice/attention.

Following ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Drink plenty of water.
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.

- 4.3 Indication of any immediate medical attention and special treatment needed**
Treat symptomatically.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
Suitable extinguishing media: Water spray jet, Dry extinguishing powder, Foam, Carbon dioxide (CO₂).
Unsuitable extinguishing media: Full water jet.
- 5.2 Special hazards arising from the substance or mixture**
In case of fire may be liberated: Toxic gas.
Do not allow firefighting water to enter drains or water courses.
Hazardous decomposition products: See Section 10.6
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 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**
Advice on safe handling: Personal protection equipment: see section 8
Avoid contact with skin, eyes and clothes. Do not breathe mist/vapours/spray. Do not eat, drink or smoke when using this product. Keep container tightly closed.
- Measures to prevent fire: Usual measures for fire prevention. Keep away from sources of ignition - No smoking.
Take action to prevent static discharges. Use explosion-proof electrical equipment.
In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.

Dust explosibility: No further relevant information available.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Keep container tightly closed in a cool, well-ventilated place. < 50 °C
Take action to prevent static discharges. Protect from direct sunlight.
Do not store at temperatures below: 10 °C

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

no data available.

DNEL (Human health)

Substance name: Benzyl alcohol					
Route of exposure	Acute effects		Chronic effects		
	Local	Systemic	Local	Systemic	
Inhalation		110 mg/m ³		22 mg/m ³	Workers
dermal		40 mg/kg bw/day		8 mg/kg bw/day	
Inhalation		27 mg/m ³	mg/m ³	5.4 mg/m ³	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
Freshwater - intermittent	2.31 mg/l
marine water	0.01 mg/l
sewage treatment plant (STP)	39 mg/l
freshwater, sediment	5.27 mg/kg (d.w.)
marine water, sediment	0.527 mg/kg (d.w.)
soil	0.456 mg/kg (d.w.)

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation.
Ensure eye bath is available.

Personal protection

Respiratory protection: Wear breathing apparatus if exposed to vapours/dusts/aerosols. Half-face mask: Filter type: EN 143

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.

Suitable eye protection: Eye glasses with side protection. EN166

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.

Advice 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
Odour:	Faint. Characteristic.
Odour threshold:	no data available.
Melting point:	-15.4 °C
Boiling point or initial boiling point and boiling range:	205.3 °C (1.013 hPa)
Flammability:	no data available.
Lower and upper explosion limit:	no data available.
Flash point:	100.4 °C
Auto-ignition temperature:	436 °C
Decomposition temperature:	no data available.
pH:	no data available.
Kinematic viscosity:	no data available.
Solubility	Water: 40 g/l (OECD 105 method)
Partition coefficient: n-octanol/water:	no data available.
Relative density:	no data available.
Vapour pressure:	0.07 hPa (20 °C)

Vapour density: no data available.
Bulk density: no data available.
Particle characteristics: no data available.

9.2 Other information
no data available.

SECTION 10: Stability and Reactivity

10.1 Reactivity
no data available.

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.

10.4 Conditions to avoid
Heat
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials
Materials to avoid:
Oxidizing agent

10.6 Hazardous decomposition products
In case of fire may be liberated:
Carbon dioxide (CO₂)
Carbon monoxide
Pyrolysis products

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Acute Tox. 4 H302: Harmful if swallowed.
Acute Tox. 4 H332: Harmful if inhaled.

Substance name (CAS No.) {EC} [REACH No.]	Result	Species	Dose
benzyl alcohol (100-51-6) {202-859-9} [01-2119492630-38-XXXX]	LD50: oral	Rat	1620 mg/kg
	LD50: Inhalation	Rat	>4178 mg/kg (4 h)
	LD50: Inhalation (ATE)	ATE	11 mg/l (4 h)

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

In vivo mutagenicity/genotoxicity
no data available.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Specific target organ toxicity (single exposure)

Not classified based on available information.

Specific target organ toxicity (repeated exposure)

Not classified based on available information.

Aspiration hazard

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

no data available.

Other information

no data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute effects

Not Classified.

Chronic effects

Not Classified.

Substance name (CAS No.)	Result	Species	Dose
benzyl alcohol (100-51-6) {202-859-9} [01-2119492630-38-XXXX]	LC50: 96 h	Pimephales promelas (fathead minnow)	460 mg/L
	EC50: 48 h	Daphnia magna (Big water flea)	230 mg/L
	EC50: 72 h	Algae	770 mg/L
	NOEC: 21 d	Daphnia magna (Big water flea)	51 mg/L
	NOEC: 72 h	Algae	310 mg/L

12.2 Persistence and degradability

Substance name: Benzyl alcohol
Readily biodegradable (according to OECD criteria). 92 - 96 %

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water (log KOW): 1.05
BCF: 1.37

12.4 Mobility in soil

Koc 15.7

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment: Not Classified.

12.6 Endocrine disrupting properties

no data available.

12.7 Other adverse effects

Additional ecotoxicological information: Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/container to hazardous waste disposal.

Other disposal recommendations

Dispose of product and packaging in accordance with local and national regulations. Do not dispose of together with household waste. Do not allow to enter into surface water or drains.

SECTION 14: Transport information

	ADR/RID/DOT(US)		IMDG		IATA	
14.1 UN number						
14.2 UN proper shipping name	Not classified based on available information.		Not classified based on available information.		Not classified based on available information.	
14.3 Transport hazard class(es)						
14.4 Packing group						
14.5 Environmental hazards						
Additional information	Transport category:					
	Tunnel restriction code:					
	Hazard identification number:					

14.6 Special precautions for user

No further relevant information available.

14.7 Maritime transport in bulk according to IMO instruments
not applicable.

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

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
no data available.

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has been carried out.

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.
H332: Harmful if inhaled.

Full text of other abbreviations

dwt Dry weight
EUH071 EUH071: Corrosive to the respiratory tract

Manufacturer:

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Revision history

Version	Revision date	Indication of changes
V3.0	01-02-2023	New SDS created. (2020/878)