

Safety Data Sheet

ISCAGUARD BOA

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

1.1 Product identifier

Product name: ISCAGUARD BOA
Substance/Mixture: Mixture

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]

Eye Dam. 1	H318: Causes serious eye damage.
Acute Tox. 4	H302: Harmful if swallowed.
Acute Tox. 4	H332: Harmful if inhaled.
Skin Irrit. 2	H315: Causes skin irritation.
STOT RE 2	H373: May cause damage to lungs through prolonged or repeated exposure.

2.2 Label elements

Hazard pictograms



Signal word

Danger

Hazard Statements

H318: Causes serious eye damage.
H302: Harmful if swallowed.
H332: Harmful if inhaled.
H315: Causes skin irritation.
H373: May cause damage to lungs through prolonged or repeated exposure.

Precautionary Statements

P260: Do not breathe mist/vapours/spray.
P280: Wear protective gloves/protective clothing and eye/face protection.



P301+P312: IF SWALLOWED: Call a doctor if you feel unwell.

P330: Rinse mouth.

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 doctor.

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

P302+P352: IF ON SKIN: Wash with plenty of water.

P314: Get medical advice/attention if you feel unwell.

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

2.3 Other hazards

None known.

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

3.2 Mixtures

Product name: ISCAGUARD BOA

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]	80	Acute Tox. 4; H302 Acute Tox. 4; H332	[1]
Benzoic acid (65-85-0) {200-618-2} [01-2119455536-33-XXXX]	6	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT RE 1; H372 (lungs)(inhalation)	[1]
Hexa-2,4-dienoic acid (110-44-1) {203-768-7} [01-2119950330-49-XXXX]	4	Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315	[1]
3-acetyl-6-methyl-2H-pyran-2,4(3H)-dione (520-45-6) {208-293-9} [01-2120747930-51-XXXX]	9	Acute Tox. 4; H302 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

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Collect contaminated firefighting water separately.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Provide adequate ventilation.

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.

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.

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. Take action to prevent static discharges. Protect from direct sunlight.
Do not store at temperatures below: 5 °C

Advice on joint storage: Keep away from: Food and feedingstuffs, Incompatible materials, Oxidizing agent, Alkalines

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 (CAS: 100-51-6)					
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		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: no data available.
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.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless / yellow
Odour:	no data available.
Odour threshold:	no data available.
Melting point:	no data available.
Boiling point or initial boiling point and boiling range:	no data available.
Flammability:	no data available.
Lower and upper explosion limit:	no data available.
Flash point:	no data available.
Auto-ignition temperature:	no data available.
Decomposition temperature:	no data available.
pH:	no data available.
Kinematic viscosity:	no data available.
Solubility	no data available.
Partition coefficient: n-octanol/water:	no data available.
Relative density:	1.06 (Water = 1.0)
Vapour pressure:	no data available.
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

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

10.4 Conditions to avoid

Heat

10.5 Incompatible materials

Materials to avoid:

Acids

Alkalines

Oxidizing agent

10.6 Hazardous decomposition products

In case of fire may be liberated:

Carbon dioxide (CO₂)

Carbon monoxide

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)
3-acetyl-6-methyl-2H-pyran- 2,4(3H)-dione (520-45-6) {208-293-9} [01-2120747930-51-XXXX]	LD50: oral	Rat (female)	1480 mg/kg
	LD50: oral	Rat (male)	1620 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

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)

STOT RE 2 H373: May cause damage to lungs through prolonged or repeated exposure.

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

Not classified based on available information.

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

no data available.

12.4 Mobility in soil

no data available.

12.5 Results of PBT and vPvB assessment

Substance name (CAS No.) {EC} [REACH No.]	PBT	P	B	T	vPvB	vP	vB
Benzyl alcohol (100-51-6) {202-859-9} [01-2119492630-38-XXXX]	N/A	N/A	N/A	N/A	N/A	N/A	N/A

12.6 Endocrine disrupting properties

None known.

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

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		IMDG		IATA	
14.1 UN number	-		-		-	
14.2 UN proper shipping name	Not dangerous goods		Not dangerous goods		Not dangerous goods	
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) as amended by Regulation (EU) 2020/878

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
No further relevant information 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.

H318: Causes serious eye damage.



H319: Causes serious eye irritation.

Full text of other abbreviations

dwt	Dry weight
EUH071	EUH071: Corrosive to the respiratory tract

Exposure Scenarios

no data available.

Revision history

Version	Revision date	Indication of changes
V4.0	20-09-2023	New SDS created. (2020/878)