

ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

#### 1.1. Product identifier

Code: ICE CLUB - Blueberry Ice  
Product name: Flavored Concentrated - ICE CLUB - Blueberry Ice

Flavored concentrate - Ice Club - Blueberry Ice

This security data sheet is valid for the list of commercial names and product codes shown in the following table: list of commercial names and product codes:

Blueberry Ice - IC13.S60 - Pla002456

Ufi: 9220-4058-400h-Jmts

It does not contain nanoform or substances that include nanoform

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

Intended use: Concentrated.

Relevant identified uses: Dilute before use.

Irrelevant identified uses: Not a food. Do not swallow. Do not use as it is. All those not expressly indicated as relevant.

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

Name: L ERBORISTERIA SRL  
Full address: Via Enrico Forlanini 10  
District and Country: 00012 Guidonia (Rm)  
Italia  
Tel.: +39 3934560139

e-mail address of the competent person responsible for the Safety Data Sheet: info@latabaccheria.net

Supplier: Orlando D'Alessandro

#### 1.4. Emergency telephone number

For urgent inquiries refer to: For urgent information contact the Poison Center of Rome +39 06 3054343 (CAV Policlinico Gemelli - Rome)

Telephone numbers of the main Italian Poison Centers (active 24/24 hours)  
Poison Center of Pavia +39 0382 24444 (CAV IRCCS Fondazione Maugeri Pavia)  
Poison Center of Milan +39 02 66101029 (CAV Niguarda Ca' Granda Milano)  
Poison center of Bergamo +39 800 883300 (CAV Ospedali Riuniti - Bergamo)  
Poison center of Florence + 39 055 7947819 (CAV Hospital Careggi - Florence)  
Poison center of Rome +39 06 49978000 (CAV Policlinico Umberto I - Rome)

Marco Maranocav "Osp. Pediatric Child Jesus" Emergency and Acceptance Dearomapiazza Sant'Onofrio, 40016506 68593726

Anna Leporeaz. Osp. Univ. Foggiafoggia.le Luigi Pinto, 171122800183459

Romolo Villaniaz. Osp. "A. Cardarelli" Napolivia A. Cardarelli, 980131081-5453333

M. Caterina Grassicav Polyclinic "Umberto I" Romav.le del Policlinico, 1551610-49978000

Alessandro Barellicav Policlinico "A. Gemelli" Romalargo Agostino Gemelli, 816806-3054343

Francesco Gambassiaz. Osp. "Careggi" U.O. Medicaphirenzelargo Brambilla toxicology, 350134055-7947819

Carlo Locatelicav National Center for Toxicological Information Information Salvatore Salvatore Maugeri, 10271000382-24444

Franca Davanzoosp. Niguarda Ca 'Grandamilapiapiazza Maggiore Hospital, 32016202-661029

BACIS GIUSEPPEAZA CASTICA HOSPITALER PAPE GIOVANNI XXIBERGAMOPAZZAZZA WHO, 124127800883300

Giorgio Ricciara Integrated Hospital Veronaveronapiazzale Aristide Stefani, 137126800011858

## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 2. Hazards identification

## 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Skin sensitization, category 1A	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Warning

Hazard statements:

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P280	Wear protective gloves.
P103	Read label before use.
P501	Dispose of product / container in accordance with national regulations.
P102	Keep out of reach of children.
P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P333+P313	If skin irritation or rash occurs: Get medical advice / attention.
P301+P312	IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.
P401	Store between 1°C and 40°C away from sunlight.

Contains:	4-Hydroxy-2,5-dimethyl-3(2H)-furanone Hexen-2-al Bucchu betulina oil GERANIOLO LINALOLO omega- omega-Pentadecalactone trans-2-hexen-1-ol (R)-P-MENTHA-1,8-DIENE
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## 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

L ERBORISTERIA SRL		Revision nr.2 Dated 18/04/2025 Printed on 18/04/2025 Page n. 3 / 14 Replaced revision:1 (Dated 26/06/2024)	EN
ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice			
SECTION 3. Composition/information on ingredients			
3.1. Substances			
Information not relevant			
3.2. Mixtures			
Contains:			
Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)	
Propylene Glycol USP-EP-E1520			
INDEX	78 ≤ x < 82		
EC	200-338-0		
CAS	57-55-6		
REACH Reg.	01-2119456809-23		
2-Isopropyl-N,2,3-trimethylbutyramide			
INDEX	5 ≤ x < 6	Acute Tox. 4 H302	
EC	256-974-4	ATE Oral: 500 mg/kg	
CAS	51115-67-4		
Acetato di Etile			
INDEX	2 ≤ x < 2,5	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066	
EC			
CAS	141-78-6		
Etanolo			
INDEX	1 ≤ x < 1,5	Flam. Liq. 2 H225	
EC			
CAS	64-17-5		
Ethyl isovalerate			
INDEX	1 ≤ x < 1,5	Flam. Liq. 3 H226, Skin Irrit. 2 H315	
EC	203-602-3		
CAS	108-64-5		
Isoamyl butyrate			
INDEX	1 ≤ x < 1,5	Flam. Liq. 3 H226, Aquatic Chronic 2 H411	
EC	203-380-8		
CAS	106-27-4		
ISOBUTYL ACETATE			
INDEX	607-026-00-7	1 ≤ x < 1,5	
EC	203-745-1	Flam. Liq. 2 H225, EUH066, Classification note according to Annex VI to the CLP Regulation: C	
CAS	110-19-0		
Hexen-2-al			
INDEX	1 ≤ x < 1,5	Flam. Liq. 3 H226, Acute Tox. 3 H311, Acute Tox. 4 H302, Skin Sens. 1B H317, Aquatic Chronic 2 H411	
EC	229-778-1	ATE Oral: 500 mg/kg, ATE Dermal: 300 mg/kg	
CAS	6728-26-3		
4-Hydroxy-2,5-dimethyl-3(2H)-furanone			
INDEX	0,25 ≤ x < 0,3	Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317	
EC	222-908-8	ATE Oral: 500 mg/kg	
CAS	3658-77-3		
GERANIOLO			
INDEX	0,25 ≤ x < 0,3	Skin Irrit. 2 H315, Skin Sens. 1B H317	
EC	203-377-1		
CAS	106-24-1		
LINALOLO			
INDEX	0,25 ≤ x < 0,3	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317	
EC	201-134-4		
CAS	78-70-6		
omega-omega-Pentadecalactone			
INDEX	0,25 ≤ x < 0,3	Skin Sens. 1 H317, Aquatic Chronic 2 H411	
EC	203-354-6		
CAS	106-02-5		
trans-2-hexen-1-ol			
INDEX	0,25 ≤ x < 0,3	Flam. Liq. 3 H226, Eye Irrit. 2 H319, STOT SE 3 H335, Skin Sens. 1 H317	
EC	218-972-1		
CAS	2305-21-7		

EPY 11.8.2 - SDS 1004.14

## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 3. Composition/information on ingredients ... / &gt;&gt;

## (R)-P-MENTHA-1,8-DIENE

INDEX 601-096-00-2  $0,25 \leq x < 0,3$ 

Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412

EC 227-813-5

CAS 5989-27-5

## Bucchu betulina oil

INDEX  $0,1 \leq x < 0,15$ Acute Tox. 4 H302, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411  
ATE Oral: 500 mg/kg

EC 283-474-3

CAS 84649-93-4

The full wording of hazard (H) phrases is given in section 16 of the sheet.

## SECTION 4. First aid measures

## 4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

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

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

## SECTION 5. Firefighting measures

## 5.1. Extinguishing media

## SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

## UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

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

## HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

## 5.3. Advice for firefighters

## GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for

L ERBORISTERIA SRL		Revision nr.2 Dated 18/04/2025 Printed on 18/04/2025 Page n. 5 / 14 Replaced revision:1 (Dated 26/06/2024)	EN
ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice			
<p>health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.</p> <p>SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS</p> <p>Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).</p>			
SECTION 6. Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
<p>Block the leakage if there is no hazard.</p> <p>Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.</p>			
6.2. Environmental precautions			
<p>The product must not penetrate into the sewer system or come into contact with surface water or ground water.</p>			
6.3. Methods and material for containment and cleaning up			
<p>Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.</p> <p>Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.</p>			
6.4. Reference to other sections			
<p>Any information on personal protection and disposal is given in sections 8 and 13.</p>			
SECTION 7. Handling and storage			
7.1. Precautions for safe handling			
<p>Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.</p>			
7.2. Conditions for safe storage, including any incompatibilities			
<p>Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.</p>			
7.3. Specific end use(s)			
<p>Information not available</p>			
SECTION 8. Exposure controls/personal protection			
8.1. Control parameters			
Regulatory references:			
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58	
ESP	España	Límites de exposición profesional para agentes químicos en España 2023	
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021	
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81	
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)	
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.	
	TLV-ACGIH	ACGIH 2023	
EPY 11.8.2 - SDS 1004.14			

L ERBORISTERIA SRL						Revision nr.2 Dated 18/04/2025 Printed on 18/04/2025 Page n. 6 / 14 Replaced revision:1 (Dated 26/06/2024)				EN
ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice										
SECTION 8. Exposure controls/personal protection ... / >>										
Propylene Glycol USP-EP-E1520										
Predicted no-effect concentration - PNEC										
Normal value in fresh water				260		mg/l				
Normal value in marine water				26		mg/l				
Normal value for fresh water sediment				572		mg/kg				
Normal value for marine water sediment				57,2		mg/kg				
Normal value for water, intermittent release				183		mg/l				
Normal value of STP microorganisms				20000		mg/l				
Normal value for the terrestrial compartment				50		mg/kg				
Health - Derived no-effect level - DNEL / DMEL										
Route of exposure	Effects on consumers			Effects on workers						
	Acute	Acute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic		
	local	systemic	local	systemic		systemic	local	systemic		
Inhalation			10	50			10	168		
			mg/m3	mg/m3			mg/m3	mg/m3		
(R)-P-MENTHA-1,8-DIENE										
Threshold Limit Value										
Type	Country	TWA/8h		STEL/15min		Remarks / Observations				
		mg/m3	ppm	mg/m3	ppm					
AGW	DEU	28	5	112	20	SKIN				
MAK	DEU	28	5	112	20	SKIN				
VLA	ESP	168	30			SKIN				
ISOBUTYL ACETATE										
Threshold Limit Value										
Type	Country	TWA/8h		STEL/15min		Remarks / Observations				
		mg/m3	ppm	mg/m3	ppm					
AGW	DEU	300	62	600	124					
MAK	DEU	480	100	960	200					
VLA	ESP	241	50	723	150					
VLEP	FRA	241	50	723	150					
VLEP	ITA	241	50	723	150					
WEL	GBR	724	150	903	187					
OEL	EU	241	50	723	150					
TLV-ACGIH			50		150					
Legend:										
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.										
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard										
; MED = medium hazard ; HIGH = high hazard.										
8.2. Exposure controls										
As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.										
When choosing personal protective equipment, ask your chemical substance supplier for advice.										
Personal protective equipment must be CE marked, showing that it complies with applicable standards.										
Provide an emergency shower with face and eye wash station.										
HAND PROTECTION										
Protect hands with category III work gloves.										
The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.										
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.										
SKIN PROTECTION										
Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.										
EYE PROTECTION										
Wear airtight protective goggles (see standard EN ISO 16321).										
RESPIRATORY PROTECTION										
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).										
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.										
ENVIRONMENTAL EXPOSURE CONTROLS										
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure										
						EPY 11.8.2 - SDS 1004.14				

## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 8. Exposure controls/personal protection ... / &gt;&gt;

compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

## SECTION 9. Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	transparent	
Odour	Fruttato	
Melting point / freezing point	-3,2 °C	Substance:Propylene Glycol USP-EP-E1520
Initial boiling point	not available	Substance:ISOBUTYL ACETATE
		Initial boiling point: 117 °C
Flammability	not flammable	Substance:Propylene Glycol USP-EP-E1520
Lower explosive limit	2,6 % (p/p)	Substance:Propylene Glycol USP-EP-E1520
Upper explosive limit	12,5 % (p/p)	Substance:Propylene Glycol USP-EP-E1520
Flash point	not available	Substance:ISOBUTYL ACETATE
		Flash point: 22 °C
Auto-ignition temperature	> 370 °C	Substance:Propylene Glycol USP-EP-E1520
Decomposition temperature	not available	
pH	7	
Kinematic viscosity	43 cst	
Solubility	partially soluble in water	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	Substance:Cis 3 Exenolo
		Vapour pressure: 2,26 hPa
Density and/or relative density	1,02-1,05	
Relative vapour density	not available	
Particle characteristics	not applicable	

## 9.2. Other information

## 9.2.1. Information with regard to physical hazard classes

Information not available

## 9.2.2. Other safety characteristics

Information not available

## SECTION 10. Stability and reactivity

## 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

## Propylene Glycol USP-EP-E1520

Hygroscopic.Stable in normal conditions of use and storage.

At high temperatures it tends to oxidate to form propionaldehyde and lactic and acetic acid.

## ISOBUTYL ACETATE

Decomposes under the effect of heat.Attacks various types of plastic materials.

## 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

## Propylene Glycol USP-EP-E1520

Maintaining a temperature of less than 40 °C.

Stable in normal conditions of use and storage.

## 10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 10. Stability and reactivity ... / &gt;&gt;

Propylene Glycol USP-EP-E1520

May react dangerously with: acid chlorides, acid anhydrides, oxidising agents.

ISOBUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents. May react violently with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.

## 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

ISOBUTYL ACETATE

Avoid exposure to: sources of heat, naked flames.

## 10.5. Incompatible materials

ISOBUTYL ACETATE

Incompatible with: strong oxidants, nitrates, strong acids, strong bases.

## 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

Propylene Glycol USP-EP-E1520

May develop: carbon oxides.

## SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

&gt;2000 mg/kg

ATE (Dermal) of the mixture:

&gt;2000 mg/kg

2-Isopropyl-N,2,3-trimethylbutyramide

ATE (Oral):

500 mg/kg estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)

Propylene Glycol USP-EP-E1520

LD50 (Dermal):

&gt; 2000 mg/kg ratto

LD50 (Oral):

22000 mg/kg ratto

Hexen-2-al

ATE (Oral):

500 mg/kg estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)

ATE (Dermal):

300 mg/kg estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)



## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 11. Toxicological information ... / &gt;&gt;

Propylene Glycol USP-EP-E1520  
Tossicità dopo assunzione ripetuta (subacuta, subcronica, cronica)  
Tossicità orale subacuta  
Parametro : NOAEL(C) ( PROPANE-1,2-DIOL ; No. CAS : 57-55-6 )  
Via di esposizione : Per via orale  
Specie : Ratto (maschio)  
Dose efficace : 1700 mg/kg  
Tossicità inalativa subacuta  
Parametro : NOAEC ( PROPANE-1,2-DIOL ; No. CAS : 57-55-6 )  
Via di esposizione : Inalazione  
Specie : Ratto (maschio)  
Dose efficace : 2200 mg/m3.

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

Propylene Glycol USP-EP-E1520  
Potere irritante: non irritante.

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

Propylene Glycol USP-EP-E1520  
Potere irritante: non irritante.

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Respiratory sensitization

Propylene Glycol USP-EP-E1520  
Non si conoscono effetti sensibilizzanti.

Skin sensitization

Propylene Glycol USP-EP-E1520  
Non si conoscono effetti sensibilizzanti.

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

Propylene Glycol USP-EP-E1520  
Cancerogenicità  
Parametro : NOAEL(C) ( PROPANE-1,2-DIOL ; No. CAS : 57-55-6 )  
Via di esposizione : Ratto (maschio)  
Dose efficace : 1700 mg/kg.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on development of the offspring

Propylene Glycol USP-EP-E1520  
Possibili effetti nocivi sulla tossicità dello sviluppo  
Parametro : NOAEL (Sviluppo fetale) ( PROPANE-1,2-DIOL ; No. CAS : 57-55-6 )  
Via di esposizione : Topo  
Dose efficace : 10400 mg/kg bw/day.

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 11. Toxicological information ... / &gt;&gt;

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

## 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

## SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it has negative effects on the aquatic environment.

## 12.1. Toxicity

## Propylene Glycol USP-EP-E1520

LC50 - for Fish

40613 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea

18340 mg/l/48h Ceriodaphnia dubia

EC50 - for Algae / Aquatic Plants

19000 mg/l/48h Skeletonema costatum

## (R)-P-MENTHA-1,8-DIENE

LC50 - for Fish

35 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea

69,6 mg/l/48h Daphnia pulex

## 12.2. Persistence and degradability

## Propylene Glycol USP-EP-E1520

Solubility in water

1000 - 10000 mg/l

Rapidly degradable

## (R)-P-MENTHA-1,8-DIENE

Solubility in water

0,1 - 100 mg/l

Rapidly degradable

## ISOBUTYL ACETATE

Solubility in water

1000 - 10000 mg/l

Rapidly degradable

## 12.3. Bioaccumulative potential

## Propylene Glycol USP-EP-E1520

Partition coefficient: n-octanol/water

-1,07

BCF

0,09

## (R)-P-MENTHA-1,8-DIENE

Partition coefficient: n-octanol/water

4,38

BCF

1022

## ISOBUTYL ACETATE

Partition coefficient: n-octanol/water

2,3

BCF

15,3

## 12.4. Mobility in soil

## Propylene Glycol USP-EP-E1520

Partition coefficient: soil/water

0,46

## 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

## 12.6. Endocrine disrupting properties

## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 12. Ecological information ... / &gt;&gt;

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

## 12.7. Other adverse effects

Information not available

## SECTION 13. Disposal considerations

## 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## 14.1. UN number or ID 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

not applicable

## 14.6. Special precautions for user

not applicable

## 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

## SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU:

None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3 - 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 15. Regulatory information ... / &gt;&gt;

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

## 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Flam. Liq. 2</b>	Flammable liquid, category 2
<b>Flam. Liq. 3</b>	Flammable liquid, category 3
<b>Acute Tox. 3</b>	Acute toxicity, category 3
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>Skin Corr. 1B</b>	Skin corrosion, category 1B
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Skin Sens. 1</b>	Skin sensitization, category 1
<b>Skin Sens. 1A</b>	Skin sensitization, category 1A
<b>Skin Sens. 1B</b>	Skin sensitization, category 1B
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment, acute toxicity, category 1
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment, chronic toxicity, category 3
<b>H225</b>	Highly flammable liquid and vapour.
<b>H226</b>	Flammable liquid and vapour.
<b>H311</b>	Toxic in contact with skin.
<b>H302</b>	Harmful if swallowed.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H400</b>	Very toxic to aquatic life.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.

## LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation

## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 16. Other information ... / &gt;&gt;

- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

## GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

## Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

## ICE CLUB - Blueberry Ice - Flavored Concentrated - ICE CLUB - Blueberry Ice

## SECTION 16. Other information ... / &gt;&gt;

## CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

## Additional Information:

- Sale prohibited to minors under 18 years.

## Changes to previous review:

The following sections were modified:

01 / 03 / 09 / 12 / 13.