

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name Eisberg Blue 12mg 50/50 Nicotine Liquid NS35654
Product code NS35654
CAS No. Not applicable.
EC No. Not applicable.
REACH Registration No. Not known.

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

Identified Use(s) 'E liquid' for the use with electronic cigarettes, sold on the understanding that the purchaser has fulfilled the criteria of TPD.
Uses Advised Against Uses other than those listed above.

1.3 Details of the supplier of the safety data sheet

Manufacturer
Company Identification Irish Country Gold, Flavours and Essences UK LTD
Address of Manufacturer
Flavours house
Mercer Way
Shadsworth Business Park
Blackburn
Lancashire
UK

Postal code BB1 2QD
Telephone: 01254 667447
Fax 01254 667445
E-mail technical@irishcountrygold.co.uk
Office hours Monday to Friday 08:30 - 17:00

Supplier
Company Identification Irish Country Gold, Flavours and Essences UK LTD
Address of Supplier
Flavours house
Mercer Way
Shadsworth Business Park
Blackburn
Lancashire
UK

Postal code BB1 2QD
Telephone: 01254 667447
Fax 01254 667445
E-mail technical@irishcountrygold.co.uk
Office hours Monday to Friday 08:30 - 17:00

1.4 Emergency telephone number

Emergency Phone No. 07973859114
Contact Production Manager
National response center
Address National Poisons Information Service (Birmingham Centre)
City Hospital
Dudley Road,
Birmingham,
United Kingdom
Emergency Phone No. +00 448 706 006 266 NHS Direct - 0845 4647 or 111

2. SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Acute Tox. 3 :Toxic in contact with skin.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
Product Name Eisberg Blue 12mg 50/50 Nicotine Liquid NS35654

Hazard Pictogram(s)



GHS06

Signal Word(s) Danger

Hazard Statement(s) H311: Toxic in contact with skin.
EUH208: Contains: (anethole, cineole) May produce an allergic reaction.

Precautionary Statement(s) P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P312: Call a POISON CENTER/doctor if you feel unwell.
P361+P364: Take off immediately all contaminated clothing. And wash it before reuse.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
propane-1,2-diol	57-55-6	200-338-0	>40.0%	Not classified	
nicotine (ISO) 3-(N-methyl-2-pyrrolidinyl)pyridine	54-11-5	200-193-3	<2.0%	Acute Tox. 3 H301 Acute Tox. 1 H310 Aquatic Chronic 2 H411	GHS06 GHS09
anethole	104-46-1	203-205-5	<1.0%	Asp. Tox. 1 H304 Skin Irrit. 2 H315 Skin Sens. 1 H317 Aquatic Chronic 2 H411	GHS08 GHS07 GHS09

4. SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Treat symptomatically.
Skin Contact	Take off immediately all contaminated clothing and wash it before reuse. Specific treatment (see Medical Advice on this label). Call a POISON CENTER/doctor if you feel unwell.
Eye Contact	Treat symptomatically.
Ingestion	Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire giving off toxic fumes.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Use vacuum equipment for collecting spilt materials, where practicable.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

'E liquid' for the use with electronic cigarettes, sold on the understanding that the purchaser has fulfilled the criteria of TPD.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA)	LTEL (8 hr TWA)	STEL	STEL	Note

		ppm)	mg/m ³)	(ppm)	(mg/m ³)	
Isobutyl acetate	110-19-0	150	724	187	903	
Ethyl acetate	141-78-6	200		400		
Pentyl acetates (all isomers)	123-92-2	50	270	100	541	
Nicotine	54-11-5		0.5		1.5	Sk
Glycerol, mist	56-81-5		10			
Propane-1,2-diol total vapour and particulates	57-55-6	150	474			
Propane-1,2-diol particulates	57-55-6		10			
Propane-1,2-diol total vapour and particulates	57-55-6	150	474			Comp,

Region	Source
Europe	EU Occupational Exposure Limits
United Kingdom	Workplace Exposure Limits (WEL)

Remark	Notes
Sk	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Liquid.

	Colour : Colourless
Odour	A Typical Eisberg Blue Character
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	>90°C
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.
9.2 Other information	None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 8319.86000
Acute toxicity - Skin Contact	Self classification: Toxic in contact with skin.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2 Other information

Not known.

12. SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and Degradation

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Dispose of this material and its container to hazardous or special waste collection point.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 3144

14.2 UN proper shipping name

UN proper shipping name NICOTINE COMPOUND, LIQUID, N.O.S.

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class	6.1
ADR Classification Code	T1
Special Provisions	43 274
Limited Quantities	5 L
Excepted Quantities	E1
Emergency Action Code	Not applicable
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R00
Special Packing Provisions for Packages	Not applicable
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	Not applicable
Special Provisions for Portable Tanks	Not applicable
Tank Code for Tanks	L4BH
Special Provisions for Tanks	TU15 TE19
Vehicle for Tank Carriage	AT
ADR Transport Category	2
Tunnel Restriction Code	E
Special Provisions for Carriage - Packages	V12
Special Provisions for Carriage - Bulk	Not applicable
Special Provisions for Carriage - Loading, Unloading and Handling	CV13 CV28
Special Provisions for Carriage - Operation	S9
ADR HIN	60
IMDG	
IMDG Class	6.1
Special Provisions	43 274
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R00
Special Packing Provisions for Packages	Not applicable

Packing Instructions for Portable Tanks	Not applicable
Special Provisions for Portable Tanks	Not applicable
IMDG EMS	Not applicable
Stowage and Handling	Not applicable
Segregation	Not determined
ICAO/IATA	
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y642
Passenger and Cargo Aircraft Limited Quantities Max net Qty	2L
Passenger and Cargo Aircraft Packing Instructions	655
Passenger and Cargo Aircraft Max net Qty	60L
Cargo Aircraft Packing Instructions	663
Cargo Aircraft Max net Qty	220L
Special Provisions	A3, A4
Emergency Response Guidebook (ERG) Code	6L
Labels	
Labels	6.1



14.4 Packing group

Packing group III

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

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

No information available

15. SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and

1,1-diethoxyethane acetal (105-57-7), acetic acid ... % (64-19-7), ethyl acetate (141-78-6), ethyl propionate (105-37-3), isobutyl acetate (110-19-0), isopentyl

use of certain dangerous substances, mixtures and articles acetate (123-92-2), cineole (470-82-6), cis-hex-3-en-1-ol (928-96-1), ethyl 2-methylbutyrate (7452-79-1), ethyl butyrate (105-54-4), ethyl hexanoate (123-66-0), trans-hex-2-enal (6728-26-3), hexyl acetate (142-92-7), trans-hex-2-en-1-ol (928-95-0), trans-hex-2-enyl acetate (2497-18-9), (Z)-hex-3-enyl acetate (3681-71-8), dimethyl sulphide (75-18-3), ethyl 3-hydroxybutyrate (5405-41-4), 3-methylbutyl isobutyrate (2050-01-3)

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 2037/2000 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Nicotine (54-11-5)

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Nicotine (54-11-5)

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Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Nicotine (54-11-5)

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS06

GHS08: GHS: health hazard

GHS07: GHS: exclamation mark

GHS09: GHS: fish and tree

Hazard classification

Acute Tox. 1 : Acute toxicity, Category 1

Acute Tox. 3 : Acute toxicity, Category 3

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

Asp. Tox. 1 : Aspiration hazard, Category 1

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

Skin Sens. 1 : Skin sensitization, Category 1

Hazard Statement(s)

H301: Toxic if swallowed.
H304: May be fatal if swallowed and enters airways.
H310: Fatal in contact with skin.
H311: Toxic in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P312: Call a POISON CENTER/doctor if you feel unwell.
P321: Specific treatment (see Medical Advice on this label).
P361+P364: Take off immediately all contaminated clothing. And wash it before reuse.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations

vPvB : very Persistent and very Bioaccumulative

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