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SAFETY DATA SHEET**PERFUMER ALCOHOL****Section 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**

- 1.1 Product Identifier**
Trade name: PERFUMER ALCOHOL
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s): Raw material for fragrances
Uses advise against: No information available.
- 1.3 Company undertaking identification:**
SCENT PERFIQU LTD
UNIT 16, 17 CASTLE STREET, ELLON
ABERDEENSHIRE. AB41 9RF
Tel: + 44 (0) 1358 720443
Email: sales@scentperfique.co.uk
Website: www.scentperfique.com
- 1.4 Emergency telephone number: +44 (0) 1358 720443**

Section 2 HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
Classification according to EC regulation 1272/2008 (CLP):
- | | |
|-------------------------------|---|
| Flammable Liquids, Category 2 | H225: Highly flammable liquid and vapour. |
| Eye Irritation, Category 2 | H319: Causes serious eye irritation. |
- 2.2 Label elements**
Contains Labelling (CLP) **Ethanol, Ethyl Alcohol**
- | | | |
|---------------------------------|---|--|
| |  |  |
| Signal Word | Danger | |
| Hazard Statements | H225
H319 | Highly flammable liquid and vapour.
Causes serious eye irritation. |
| Precautionary Statements | P210
P233
P243
P303 + P361 + P353 | Keep away from heat/sparks/open flames/hot surfaces.
– No Smoking.
Keep container tightly closed.
Take precautionary measures against static discharge.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |

P305 + P351 + P338

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

P403+P235 Store in a well-ventilated place. Keep cool.

- 2.3 Other hazards** Vapours may form explosive mixtures with air.
Vapours may spread long distances and ignite.
Irritating to eyes.

Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Components	Amount (%wt)	Classification (EC No. 1272/2008)
Ethanol: Ethyl alcohol CAS No. 64-17-5 EC No. 200-578-6	<= 96	Flam. Liq. Cat. 2; H225 Eye Irrit. Cat. 2; H319
REACH Registration No. 01-2119457610-43-xxxx		

See section 16 for full text of H-Statements.

Section 4 FIRST AID MEASURES

4.1 Description of first aid measures

General information: Take off contaminated clothing and shoes immediately.

After inhalation: Move to fresh air.

In case of skin contact: Wash off immediately with plenty of water.

After eye contact: Rinse immediately with plenty of water. If irritation persists seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. Do NOT induce vomiting. Seek medical advice immediately and show container or label.

4.2 Most important symptoms and effects, both acute and delayed

Risks: Irritant effect.

4.3 Indication of any immediate medical attention and special treatment needed

For specialist advice physicians should contact the Poisons Information Service.

Section 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable: Water spray, Alcohol resistant foam, Dry powder, Carbon dioxide (CO) in enclosed spaces.

Unsuitable: High volume water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting:

Do not use solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. When fighting fires in enclosed spaces: caution, danger of suffocation.

5.3 Advice for fire fighters

Special protective equipment for fire-fighters:

Use personal protective equipment. Wear self-contained breathing apparatus for fire fighting if necessary.

Further information: Use water spray to cool unopened containers. Do not allow run off from fire fighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges. Use only explosion proof equipment.

6.2 Environmental precautions

Do not flush into surface or sanitary sewer system.
Avoid subsoil penetration.
Do not allow material to contaminate ground water system.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For personal protection see section 8.

Section 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Protection against fire and explosion

Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.

Temperature class: T2

Fire-fighting class: Fires involving liquids or liquid containing substances. Also includes substances which become liquid at elevated temperatures.

7.2 Conditions for safe storage, including incompatibilities

Requirements for storage areas and containers

Keep container tightly closed in a cool, well ventilated place.

German storage class: 3 = Flammable liquids.

7.3 Specific end uses

Consult technical guidelines for the use of this substance / mixture.

Section 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Components	CAS No. No.	Value	Control parameters	Update	Basis
EtOH	64-17-5	TWA	1,000 ppm 1920 mg/m ³	12 2011	EH40 WEL

DNEL**Ethanol; ethyl alcohol**

End Use:	Workers	Workers	Workers	
Exposure routes:	Inhalation	Skin contact	Inhalation	
Potential health effects:	Acute effects	Chronic effects	Chronic effects	
Value:	1900 mg/m ³	343 mg/kg	950 mg/m ³	
End Use:	Consumers	Consumers	Consumers	Consumers
Exposure routes:	Inhalation	Skin contact	Inhalation	Ingestion
Potential health effects:	Acute effects	Chronic effects	Chronic effects	Chronic effects
Value:	950 mg/m ³	206 mg/kg	114 mg/m ³	87 mg/kg

PNEC (Predicted No Effect Concentration)

Ethanol; ethyl alcohol	Fresh water : 0.96 mg/l
	Marine water: 0.79 mg/l.
	Fresh water sediment: 3.6 mg/kg.
	Soil: 0.63 mg/kg.

8.2**Exposure controls****Appropriate engineering controls**

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

Hand protection: The choice of appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN374, due to the numerous outside influences (e.g. temperature).

Gloves suitable for permanent contact:

Material:	Butyl-rubber	Fluorkautschuk
Break through time:	>= 480 min	>= 480 min
Material thickness:	0.5 mm	0.4 mm

Gloves suitable for splash protection:

Material:	Polychloroprene
Break through time:	>= 120 min
Material thickness:	0.5 mm

Unsuitable gloves:

Material:	Natural rubber / natural latex, polyvinylchloride
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Eye protection: Tightly fitted safety goggles.

Hygiene measures: Take off all contaminated clothing immediately.

Protective measures: Do not breathe vapours or spray mist.

Environmental exposure controls

General advice Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Do not allow material to contaminate ground water system.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State:	Liquid
Colour:	Colourless, clear
Odour:	Alcohol-like
Odour threshold:	No data available
PH:	Not applicable
Melting point / melting range:	ca -114 °C (Ethanol)
Boiling point / boiling range:	ca 75 - 78°C (Ethanol)
Flash Point / flash point range:	12°C ASTM D 56 (Ethanol)
Lower explosion limit:	ca 3.5% (v)
Higher explosion limit:	ca 15% (v)
Vapour pressure (20°C):	ca. 58 hPa (Ethanol)
Relative vapour density(20°C):	1.03 (Ethanol)
Density (20°C):	ca. 0.795 g/cm ³
Water solubility:	Completely miscible
Partition coefficient: n-octanol/water (25°C):	Log Pow: 0.35
Autoignition temperature:	No data available
Thermal decomposition:	Distils without decomposition at atmospheric pressure
Viscosity, dynamic (20°C):	No data available
Explosive properties:	Not explosive
Oxidizing properties:	No oxidizing properties

9.2 Other information

Section 10 STABILITY AND REACTIVITY

10.1 Reactivity	Vapours may form explosive mixtures with air.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Vapours may form explosive mixture with air.
10.4 Conditions to avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight.
10.5 Incompatible materials	Materials to avoid: Alkali metals, Acetic Anhydride.
10.6 Hazardous decomposition products	None known.

Section 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects**Components: ethanol; ethyl alcohol:**

Acute oral toxicity:	LD50: > 2,000 mg/kg, rat, OECD Test Guideline 401, GLP; no, (literature value)
Acute inhalation toxicity:	LC50: > 20 mg/l, 4h, mouse, (literature value)
Acute dermal toxicity:	LD50: > 2,000 mg/kg, rabbit, OECD Test Guideline 402, GLP; no, (literature value)
Other Health Effects:	This substance has no evidence of carcinogenic properties.

Skin corrosion/irritation: Rabbit, Result: not irritating, OECD Test Guideline 404, GLP; yes,(literature value)

Serious eye damage / eye irritation:
Rabbit, Result: irritating, OECD Test Guideline 405, (literature value)

Respiratory or skin sensitization:

Maximisation Test, guinea pig, Result: not sensitizing, OECD Test Guideline 406, GLP; yes, (literature value)

Germ cell mutagenicity

Genotoxicity in vitro:

Ames test, Salmonella typhimurium, with and without, Result: not mutagenic, OECD Test Guideline 471, GLP; no, (literature value).

Section 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Components: ethanol; ethyl alcohol:

Toxicity to fish: LC50: > 100 mg/l, 48h, Leuciscus idus, static test, OECD Test Guideline 203, GLP; no, (literature value)

Toxicity to daphnia and other aquatic invertebrates:

EC50: > 100 mg/l, 24h, Daphnia magna, static test, OECD Test Guideline 202, GLP; yes, (literature value)

Toxicity to algae:

EC50: > 100 mg/l, 72 h, Chlorella pyrenoidosa, static test, OECD Test Guideline 201, GLP: no, (literature value)

12.2 Persistence and degradability

Components: ethanol; ethyl alcohol:

Biodegradability: aerobic, >70%, Result: Readily biodegradable, Exposure time: 5d, OECD Test Guideline 301 D, GLP: no, (literature value)

12.3 Bio accumulative potential

Components: ethanol; ethyl alcohol:

Bioaccumulation: No bioaccumulation is to be expected (log Pow <= 4).

12.4 Mobility in soil

Components: ethanol; ethyl alcohol:

Mobility: No information available.

12.5 Results of PBT and vPvB assessment

Components: ethanol; ethyl alcohol:

Assessment: This substance is not considered to be persistent, bio accumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bio accumulating (vPvB).

12.6 Other adverse effects

Components:

ethanol; ethyl alcohol: Chemical Oxygen Demand (COD): ca 1,700 mg/g, Directive 84/449/EEC, C.9, GLP: no data.

Additional ecological information: No data available.

Section 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product Can be incinerated when in compliance with local regulations.

Contaminated packaging

Can be re-used after being emptied optimally and being suitably cleaned.

Section 14 TRANSPORT INFORMATION

14.1 UN Number

ADR, RID, IMDG, IATA: 1170

14.2 UN proper shipping name

ADR, RID, IMDG: ETHANOL, (ETHYL ALCOHOL), ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

IATA: ETHANOL

14.3 Transport hazard class

ADR, RID, IMDG, IATA: 3

14.4 Packing group

	ADR	RID	IMDG	IATA
Packaging group:	II	II	II	II
Classification code:	F1	F1	-	-
Hazard Identification No.:	33	33	-	-
Labels:	3	3	3	3
Tunnel restriction code:	(D/E)	-	-	-
EmS Number:	-	-	F-E, S-D	-
Packaging instruction:	-	-	-	364 (cargo aircraft)

14.5 Environmental hazards

ADR, RID, IMDG, IATA:
Environmentally hazardous no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship type: -
Pollution category: Z

Section 15 REGULATORY INFORMATION**15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture**

Candidate List of Substances of Very High Concern for Authorisation

This product does not contain substances of very high concern (Regulation (EC) No 1907/2009 (REACH), Article 57).

Major Accident Hazard List

96/82/EC Highly Flammable Quantity 1: 5,000 t
Quantity 2: 50,000 t

Notification status

On the following inventories, or in compliance with the inventory:
EINECS, TSCA, AUSTR, DSL, ENCS, KOREA, PHIL, CHINA, ISHL, NZIOC

15.2 Chemical safety assessment

A chemical safety assessment has been carried out by the manufacturer for this substance.

16 OTHER INFORMATION**Full text of H-Statements referred to under sections 2 and 3.**

H225 Highly flammable liquid and vapour..
H319 Causes serious eye irritation
H336 May cause drowsiness and dizziness.

Literature: Manufacturer's/Supplier's EU Safety Data Sheets.

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Health and Safety

This Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on the handling precautions and emergency procedures. This must be consulted fully before handling, storage and use.