

# Safety Data Sheet

According to Regulation (EC)  
No. 1907/2006 (REACH)

## Fly Snooze G83516

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

#### 1.1 Product identifier

**Product name:** Fly Snooze  
**Product number:** G83516  
**SDS number:** 906036  
**CAS No.:** Triethylamine: 121-44-8  
Ethanol: 64-17-5  
**EC No.:** No data available.  
**Index No.:** Triethylamine: 612-004-00-5  
Ethanol: No data available.

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

**Identified use(s):** Fly Snooze is a mixture of chemicals specifically formulated for use as an anaesthetic for insects and flies – and should not be used for any other purpose.  
**Uses advised against:** Follow supplier's recommendations on correct use of the product.

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

**Supplier:** Philip Harris Manufacturing Limited.  
Unit 72, Gazelle Road  
Weston Industrial Estate  
Weston-super-Mare  
BS24 9BJ  
**Telephone:** +44 (0)1934 413 606  
**Fax:** +44 (0)1934 626 421  
**E-mail:** [sdsinfo@philipharrismanufacturing.co.uk](mailto:sdsinfo@philipharrismanufacturing.co.uk)

#### 1.4 Emergency telephone number

**In case of emergency, call:** +44 (0)1934 413 606 (Mon – Fri, 08:30 – 17:00 UK time)

### SECTION 2: Hazard Identification

#### 2.1 Classification of the substance or mixture

##### 2.1.1. Classification according to Regulation (EC) No. 1272/2008 (CLP)

Flammable liquids (Category 2) Acute toxicity, Oral (Category 4) Specific target organ toxicity – single exposure (Category 2) Acute toxicity, Inhalation (Category 4) Acute toxicity, Dermal (Category 4) Skin corrosion (Category 1A)

##### 2.1.2. Classification according to Directive 67/548/EEC & Directive 1999/45/EC

Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Causes severe burns.

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## 2.2 Label elements

### 2.2.1. Label according to Regulation (EC) No. 1272/2008 (CLP)

The product does not need to be labelled in accordance with EC directives or respective national laws.

Hazard pictogram(s):



Signal Word:

Danger

Hazard Statement(s):

H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H371 May cause damage to organs.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H332 Harmful if inhaled.

Precautionary Statement(s):

P210 Keep away from heat/sparks/open flame/hot surfaces. – No smoking.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 wear protective gloves/protective clothing/eye protection/face protection.  
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 POISON CENTER or doctor/physician.

According to European  
Directive 67/548/EEC as  
amended. Hazard symbol(s)



R-phrases)

R11 Highly flammable  
R20/21/22 Harmful by halation, in contact with skin and if swallowed.  
R35 Causes severe burns.  
R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

S-phrases)

S16 Keep away from sources of ignition – no smoking  
S36/37/39 Wear suitable protective clothing, gloves, eye and face protection.  
S3 Keep in a cool place.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S29 Do not empty into drains.

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S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Product consists of two immisible liquids supplied in a polythene bottle.

4ml Triethylamine

6ml Ethanol (IMS) with added orange mask.

Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification (Regulation (EC) No. 1272/2008 (CLP))	Classification (Directive 67/548/EEC)
Ethanol (IMS) Formula C <sub>2</sub> H <sub>6</sub> O Concentration 3-10%	46.07 g/mol	67-56-1	200-659-6	01- 2119433307- 44-xxxx	Flam.LIQ.;Acute Tox.3; STOT SE 1; H225, H301+H311+H331,H370 F,T,T11-R23/24/25- R39/23/24/25	
Triethylamine Formula C <sub>6</sub> H <sub>15</sub> N	101.19 g/mol	121-44-8	204-469-4	612-004-00-5		

See Section 16 for full description of R phrases and H statements.

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

**INHALATION:** Remove person to fresh air and keep comfortable for breathing. Keep warm and at rest. If irritation persists or if you feel unwell, obtain immediate medical attention.

**SKIN CONTACT:** Take off immediately all contaminated clothing. Rinse skin with soap and plenty of water. Take victim immediately to hospital. Consult a physician. Contaminated clothing should be washed before reuse.

**EYE CONTACT:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, making sure to rinse under eyelids. Obtain immediate medical attention.

**INGESTION:** Do not induce vomiting. Provided the patient is conscious, rinse mouth out with water and give 200-300 mL of water to drink. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

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

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin, spasm,, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting.

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Central nervous system depression. Damage to the heart, gastrointestinal disturbance. May cause convulsions.

#### 4.3 Indication of any immediate medical attention and special treatments needed:

In case of accident or if you feel unwell, seek medical advice immediately. If breathing is laboured, oxygen should be administered by qualified personnel.

## SECTION 5: Fire-fighting Measures

### 5.1 Extinguishing Media

**Suitable extinguishing media:** Water spray, CO<sub>2</sub>, sand, dry powder, alcohol-resistant foam

**Unsuitable extinguishing media:** Do not use water jet.

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

Carbon oxides

### 5.3 Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary

### 5.4 Further Information

Use water spray to cool unopened containers.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.1.1 For non-emergency personnel

Eliminate sources of ignition. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours/spray. Wear suitable personal protective equipment. Wear appropriate respirator when ventilation is inadequate (See Section 8).

#### 6.1.2 For emergency responders

Keep unnecessary personnel away. Wear suitable protective clothing (See Section 8). Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

### 6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

### 6.3 Methods and materials for containment and clearing up

#### 6.3.1 For containment & Cleaning Up

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Contain the spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. (see section 13).

### 6.3.3 Other advice

Do not let product enter the drains.

### 6.4 Reference to other sections

See Section 8 for personal protective equipment. See Section 13 for waste disposal.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
Keep away from sources of ignition – No smoking. Take measures to prevent the build up of electrostatics.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Workplace exposure limits

Substance	CAS No.	LTEL (8 hr TWA)		STEL (15 min)		Comments
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Ethanol	64-17-5	1,000 ppm	1,920 mg/m <sup>3</sup>	250ppm	333 mg/m <sup>3</sup>	UK.EH40 WEL- Workplace Exposure Limits
Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.						
Triethylamine	121-44-8	2 ppm	8 mg/m <sup>3</sup>	4 ppm	17 mg/m <sup>3</sup>	UK.EH40 WEL- Workplace Exposure Limits
Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.						

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Triethylamine	121-44-8	2 ppm	8.4 mg/m <sup>3</sup>	3 ppm	12.6 mg/m <sup>3</sup>	Europe. Commission Directive 2000/39/EC establishing a first of indicative occupational exposure limit values.
Can be absorbed through 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

Handle in accordance with good general educational / industrial hygiene practice. Wash hands before breaks And at the end of the day.

### 8.2.2 Personal protection

#### Eye protection:

Goggles or safety glasses with side shields giving complete protection to eyes (EN 166).

#### Skin protection:

Protective Clothing

#### Hand protection:

Chemical-resistant gloves conforming (EN 374). Nitrile rubber gloves are recommended for normal use. Butyl rubber gloves are recommended if the contents of the generator are released. Contact glove supplier to confirm suitable glove material, thickness and breakthrough times.

#### Other:

Long sleeve protective clothing.

#### Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridge as a back up to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (US)

#### Thermal hazards:

Not applicable.

### 8.2.3 Environmental exposure controls

Inform environmental manager of all incidents involving this product.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

#### Appearance:

Triethylamine Form: Clear liquid, colour: colourless.  
Ethanol Form: Liquid, colour: colourless. Odour: No data available.

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<b>Odour:</b>	Triethylamine : Amine-like Ethanol : No data available.
<b>Odour threshold:</b>	Not data available.
<b>pH:</b>	Triethylamine : 12.7 at 100 g/l at 15 deg C Ethanol : No data available
<b>Melting/freezing point:</b>	Triethylamine : -115 deg C - lit Ethanol : -114 deg C
<b>Initial boiling point and boiling range:</b>	Triethylamine : 88.8 deg C - lit Ethanol : 77-78 deg C at 1,013 h pa
<b>Flash point:</b>	Triethylamine : -15 deg C – closed up Ethanol : 13 deg C – closed up
<b>Evaporation rate:</b>	Triethylamine : No data available Ethanol : 3.4
<b>Flammability (solid; gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	Triethylamine : Upper explosion limit:8% (V) Lower limit:1.2% (V) Ethanol : Upper explosion limit 19% (V) Lower limit 303% (V)
<b>Vapour pressure:</b>	Triethylamine :68.99 hPa at 20 deg C, 85.06 hPa at 30 deg C Ethanol : 58.1 hPa at 20 deg C
<b>Vapour density:</b>	Triethylamine :3.49 – (Air = 1.0) Ethanol : No data available
<b>Relative density:</b>	Triethylamine :0.726 g/cm <sup>3</sup> at 25 deg C Ethanol : 0.789 g/cm <sup>3</sup> at 20 deg C
<b>Solubility(ies):</b>	No data available
<b>Partition coefficient: n-octanol/water:</b>	Triethylamine : Log Pow: 1.15 Ethanol : Log pow -0.32
<b>Auto-ignition temperature:</b>	Triethylamine : No data available Ethanol : 789 deg C
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidising properties:</b>	No data available
<b>9.2 Other information</b>	
	Triethylamine : Surface tension 20.7 mNm/m at 20 deg C Ethanol : No data available

## SECTION 10: Stability and Reactivity

<b>10.1 Reactivity</b>	No data available
<b>10.2 Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	No data available
<b>10.4 Conditions to avoid</b>	Heat, flames and sparks. Extremes of temperature and direct sunlight.
<b>10.5 Incompatible materials</b>	Triethylamine : Oxidizing agents Ethanol : Acids, Oxidizing agents, Alkali metals, Ammonia, Acid chlorides, Acid anhydrides, Reducing agents, Peroxides.
<b>10.6 Hazardous decomposition products</b>	Other decomposition products – no data available. In the event of fire: see section.



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## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	LD50 Oral – rat - 730 mg/kg LC50 Inhalation – rat – 4h – 7.1 mg/i LD 50 Dermal – rabbit – 580 mg/kg
<b>Skin corrosion/irritation</b>	Skin – rabbit, Extremely corrosive and destructive to tissue.
<b>Serious eye damage/irritation</b>	Eyes – rabbit, no eye irritation (OECD Test Guidance 405)
<b>Skin sensitisation</b>	Buehler test – guinea pig, does not cause skin sensitisation (OECD Test Guidance 406)
<b>Respiratory sensitisation</b>	Buehler test – guinea pig, does not cause respiratory sensitisation (OECD Test Guidance 406)
<b>Germ cell mutagenicity</b>	Not mutagenic in Ames test. In vitro assay result negative. In vitro tests did not show mutagenic effects.
<b>Carcinogenicity</b>	In vivo tests did not show any chromosomal changes. IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity</b>	No data available
<b>Specific Target Organ Toxicity – single exposure</b>	No data available
<b>Specific Target Organ Toxicity – repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

### Information on likely routes of exposure

<b>Inhalation</b>	Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
<b>Skin contact</b>	Toxic may be harmful if absorbed through skin. Causes skin irritation and burns.
<b>Eye contact</b>	May be harmful, causes eye irritation and burns.
<b>Ingestion</b>	Toxic harmful if swallowed, causes burns.

**Symptoms related to the physical, chemical and toxicological characteristics** Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract, eyes and skin, spasm, inflammation and edema of the larynx. Inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting.

### Mixture versus substance Information

**Other information** No data Available  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.



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## SECTION 12: Ecological Information

12.1	Toxicity	Toxicity to fish, LC50 – Pimephales promelas (fathead minnow) – 43.7 mg/l – 96h LC50 – Rainbow trout – 126 150 mg/l – 60 d LOEC – Danio rerio (Zebra fish) – 320 mg/l – 7d EC50 – Daphnia magna (Water flea) – 200 mg/l – 48 h LC50 – Bacteria – 95 mg/l – 17 h
12.2	Persistence and degradability	No data available
12.3	Bioaccumulative potential	No data available
12.4	Mobility in soil	No data available
12.5	Results of PBT and vPvB assessment	No data available
12.6	Other adverse effects	Harmful to aquatic life.

## SECTION 13: Disposal Considerations

13.1	Waste treatment methods	Offer surplus and non-recyclable solutions to a licensed disposal company.
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## SECTION 14: Transport Information

### ADR

14.1	UN Number	TRIETHYLAMINE : 1296 ETHANOL SOLUTION : 1170
14.2	UN Proper shipping name	TRIETHYLAMINE ETHANOL SOLUTION
14.3	Transport hazard class(es)	8
14.4	Packing group	11
14.5	Environmental hazards	No
14.6	Special precautions for the user	No data available

### ADN

14.1	UN Number	TRIETHYLAMINE : 1296 ETHANOL SOLUTION : 1170
14.2	UN Proper shipping name	TRIETHYLAMINE ETHANOL SOLUTION
14.3	Transport hazard class(es)	8
14.4	Packing group	11
14.5	Environmental hazards	No
14.6	Special precautions for the user	No data available

### RID

14.1	UN Number	TRIETHYLAMINE : 1296 ETHANOL SOLUTION : 1170
14.2	UN Proper shipping name	TRIETHYLAMINE ETHANOL SOLUTION
14.3	Transport hazard class(es)	8

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14.4	Packing group	11
14.5	Environmental hazards	No
14.6	Special precautions for the user	No data available

## IATA/ICAO

14.1	UN Number	Triethylamine 1296 Ethanol Solution : 1170
14.2	UN Proper shipping name	Triethylamine Ethanol Solution
14.3	Transport hazard class(es)	8
14.4	Packing group	11
14.5	Environmental hazards	No
14.6	Special precautions for the user	No data available

## IMDG

14.1	UN Number	TRIETHYLAMINE : 1296 ETHANOL SOLUTION : 1170
14.2	UN Proper shipping name	TRIETHYLAMINE ETHANOL SOLUTION
14.3	Transport hazard class(es)	8
14.4	Packing group	11
14.5	Environmental hazards	No
14.6	Special precautions for the user	No data available
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	

## SECTION 15: Regulatory Information

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

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as amended. The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP), Directive 67/548/EEC & Directive 1999/45/EC.

### 15.2 Chemical Safety Assessment

A chemical safety assessment is not required and has not been carried out.

## SECTION 16: Other Information

### Full text of relevant R-phrases and/or H-statements:

<b>Hazard Statement(s):</b>	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H371 May cause damage to organs.
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H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H332 Harmful if inhaled.

**Supplemental Hazard information (EU):**

None

**Risk phrase(s):**

P210 Keep away from heat/sparks/open flame/hot surfaces. – No smoking.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 wear protective gloves/protective clothing/eye protection/face protection.  
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 POISON CENTER or doctor/physician.

**Abbreviations:**

CAS: Chemical Abstracts Service;  
EINECS: European Inventory of Existing Commercial Chemical Substances  
EC<sub>50</sub>: Effective Concentration 50%  
EL<sub>50</sub>: Effective Loading rate 50%  
IC<sub>50</sub>: Inhibitory Concentration 50%  
LC<sub>50</sub>: Lethal Concentration 50%  
LD<sub>50</sub>: Lethal Dose 50%  
LL<sub>50</sub>: Lethal Loading rate 50%  
LCLo: Lowest lethal concentration  
LOEL: Lowest Observed Effect Level  
NOEL: No Observed Effect Level  
PBT: Persistent, Bioaccumulative and Toxic.  
vPvB: Very Persistent and Very Bioaccumulative.

**References:**

Supplier's Safety Data Sheets for ingredients  
ECHA disseminated REACH dossiers  
ECHA Classification & Labelling Inventory  
Approved Classification and Labelling Guide (Sixth edition)  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP)  
Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)

**Disclaimer:**

THE INFORMATION PRESENTED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM, IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

**Version history:**

**Version:** 1.0  
**Issue date:** 27/01/2014

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Previous Version: -  
Issue date of previous version: -  
Sections changed from previous version: -

