



## SAFETY DATA SHEET FLORAZOL SANDALWOOD

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

#### 1.1. Product identifier

Product name	FLORAZOL SANDALWOOD
Product number	A108 EV
Internal identification	Janitorial

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

Identified uses	Deodoriser and Disinfectant with Bactericide.
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#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Evans Vanodine International  
Brierley Road  
Walton Summit  
Preston. UK. PR5 8AH  
Tel: 01772 322 200  
Fax: 01772 626 000  
qclab@evansvanodine.co.uk

#### 1.4. Emergency telephone number

Emergency telephone	New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website <a href="http://www.evansvanodine.co.uk">www.evansvanodine.co.uk</a> ) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards	Flam. Liq. 2 - H225
Health hazards	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards	Aquatic Chronic 3 - H412

#### 2.2. Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/ container in accordance with local regulations.</p>
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<b>Contains</b>	ALCOHOL (C9-11) ETHOXYLATE (8EO), METHANOL, ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE
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### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>ETHANOL</b>	<b>30-60%</b>
CAS number: 64-17-5	EC number: 200-578-6
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
<b>PROPAN-2-OL</b>	<b>10-15%</b>
CAS number: 67-63-0	EC number: 200-661-7
	REACH registration number: 01-2119457558-25-xxxx
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
<b>ALCOHOL (C9-11) ETHOXYLATE (8EO)</b>	<b>1-3%</b>
CAS number: 68439-45-2	
Alternative CAS No 13598-36-2	
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	

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<b>METHANOL</b>	<b>1-3%</b>
CAS number: 67-56-1	EC number: 200-659-6
Spec Conc Limits :- STOT SE 1 (H370) >=10%, STOT SE 2 (H371) >3% <10%	
<b>Classification</b>	
Flam. Liq. 2 - H225	
Acute Tox. 3 - H301	
Acute Tox. 3 - H311	
Acute Tox. 3 - H331	
STOT SE 1 - H370	
<b>ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE</b>	<b>1-3%</b>
CAS number: 68424-85-1	EC number: 270-325-2
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
<b>Geraniol</b>	<b>&lt;0.1%</b>
CAS number: 106-24-1	EC number: 203-377-1
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of water to drink. Get medical attention immediately.
<b>Skin contact</b>	Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.

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<b>Skin contact</b>	Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.
<b>Eye contact</b>	Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with the following media: Extinguish with foam, carbon dioxide, dry powder or water fog.
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### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. May explode when heated or when exposed to flames or sparks.
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### **5.3. Advice for firefighters**

<b>Special protective equipment for firefighters</b>	Keep containers cool by spraying with water to reduce explosion risks. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Wear protective clothing, gloves, eye and face protection. No smoking, sparks, flames or other sources of ignition near spillage. For personal protection, see Section 8.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
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### **6.4. Reference to other sections**

<b>Reference to other sections</b>	For personal protection, see Section 8.
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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

<b>Usage precautions</b>	Eliminate all sources of ignition. For handling undiluted product: Wear protective clothing, gloves, eye and face protection.
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### **7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Keep away from heat, sparks and open flame.
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### **7.3. Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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<b>Usage description</b>	See Product Information Sheet & Label for detailed use of this product.
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## **SECTION 8: Exposure Controls/personal protection**

### **8.1. Control parameters**

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### Occupational exposure limits

#### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

#### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

#### METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Not relevant.

#### Eye/face protection

Wear eye protection.

#### Hand protection

Wear protective gloves. (Household rubber gloves.)

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection

Respiratory protection not required.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear. Yellow.
Odour	Floral.
Melting point	-5°C
Initial boiling point and range	80°C @ 760 mm Hg
Flash point	20°C . Measured using test method, PMCC (Pensky-Martens closed cup).
Relative density	0.860 @ 20°C
Solubility(ies)	Forms an emulsion with water.
Auto-ignition temperature	425°C

#### 9.2. Other information

Other information None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** No particular stability concerns.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** See sections 10.1, 10.4 & 10.5

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Classification criteria has been met – Product is classified as Harmful if Swallowed.

**ATE oral (mg/kg)** 1,773.18

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 8,134.15

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 85.37

**ATE inhalation (dusts/mists mg/l)** 20.73

## SECTION 12: Ecological Information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

### 12.1. Toxicity

**Toxicity** We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

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### 12.3. Bioaccumulative potential

**Bioaccumulative potential**      The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility**      Not known.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**      This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects**      Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods**      Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Rinse out empty container with water and consign to normal waste.

## SECTION 14: Transport information

**General**      1L As supplied, this product is consigned under the Limited Quantities provisions.

### 14.1. UN number

**UN No. (ADR/RID)**      1987

**UN No. (IMDG)**      1987

**UN No. (ICAO)**      1987

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**      ALCOHOLS, N.O.S. (ethanol solution & isopropanol)

**Proper shipping name (IMDG)**      ALCOHOLS, N.O.S. (ethanol solution & isopropanol)

**Proper shipping name (ICAO)**      ALCOHOLS, N.O.S. (ethanol solution & isopropanol)

### 14.3. Transport hazard class(es)

**ADR/RID class**      Class 3: Flammable liquids.

**ADR/RID label**      3

**IMDG class**      Class 3: Flammable liquids.

**ICAO class/division**      Class 3: Flammable liquids.

### Transport labels



### 14.4. Packing group

**ADR/RID packing group**      II

**IMDG packing group**      II

**ICAO packing group**      II

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### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS F-E, S-D

Tunnel restriction code Not Applicable

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant. for a packaged product.

## SECTION 15: Regulatory information

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

**EU legislation** Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).  
The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.  
Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

## SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet** PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.  
ATE: Acute Toxicity Estimate.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
IMDG: International Maritime Dangerous Goods.  
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
GHS: Globally Harmonized System.  
Spec Conc Limits = Specific Concentration Limits.

**Classification abbreviations and acronyms** Acute Tox. = Acute toxicity  
Asp. Tox. = Aspiration hazard  
Aquatic Acute = Hazardous to the aquatic environment (acute)  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
Eye Dam. = Serious eye damage  
Eye Irrit. = Eye irritation  
Flam. Liq. = Flammable liquid  
Skin Corr. = Skin corrosion  
Skin Irrit. = Skin irritation  
Skin Sens. = Skin sensitisation  
STOT SE = Specific target organ toxicity-single exposure

**Key literature references and sources for data** Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&L Inventory database.



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<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Calculation Method.
<b>Revision comments</b>	Addition of Environmental Statement(s) due to change in M-Factor of a Raw Material. & Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&16)
<b>Revision date</b>	28/11/2017
<b>Revision</b>	9
<b>SDS status</b>	The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H336 May cause drowsiness or dizziness. H370 Causes damage to organs . H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.