



SAFETY DATA SHEET FLORAZOL FREESIA

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

1.1. Product identifier

Product name	FLORAZOL FREESIA
Product number	A067 EV
Internal identification	Janitorial - Housekeeping Section

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

Identified uses	Deodoriser and Disinfectant with Bactericide.
-----------------	---

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 www.evansvanodine.co.uk) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri
---------------------	---

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards	Flam. Liq. 2 - H225
Health hazards	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Elicitation - EUH208
Environmental hazards	Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi;R36. F;R11.

2.2. Label elements

Pictogram



Signal word

Danger

FLORAZOL FREESIA

Hazard statements	<p>EUH208 Contains Amyl Cinnamal. May produce an allergic reaction.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p>
Precautionary statements	<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>P315 Get immediate medical advice/attention.</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>
Contains	<p>ALCOHOL (C9-11) ETHOXYLATE (8EO), METHANOL, ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE</p>

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

ETHANOL	30-60%
CAS number: 64-17-5	EC number: 200-578-6
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F;R11
Eye Irrit. 2 - H319	
PROPAN-2-OL	10-15%
CAS number: 67-63-0	EC number: 200-661-7
	REACH registration number: 01-2119457558-25-xxxx
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F;R11 Xi;R36 R67
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
ALCOHOL (C9-11) ETHOXYLATE (8EO)	1-3%
CAS number: 68439-45-2	
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	Xn;R22. Xi;R41.
Eye Dam. 1 - H318	

FLORAZOL FREESIA

METHANOL	1-3%
CAS number: 67-56-1	EC number: 200-659-6
Classification Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	Classification (67/548/EEC or 1999/45/EC) F;R11 T;R23/24/25,R39/23/24/25
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	1-3%
CAS number: 68424-85-1	EC number: 270-325-2
M factor (Acute) = 1	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) Xn;R21/22. C;R34. N;R50.
Amyl Cinnamal	0.1-1%
CAS number: 122-40-7	EC number: 204-541-5
Classification Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) N;R51/53. R43.
TURPENTINE, OIL	<0.1%
CAS number: 8006-64-2	EC number: 232-350-7
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20/21/22,R65 R43 Xi;R36/38 N;R51/53

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

Inhalation	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.
Ingestion	Do not induce vomiting. Give plenty of water to drink. Get medical attention immediately.

FLORAZOL FREESIA

Skin contact	Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.
Eye contact	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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.
Eye contact	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

Notes for the doctor	Treat symptomatically.
-----------------------------	------------------------

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Extinguish with foam, carbon dioxide, dry powder or water fog.
-------------------------------------	---

5.2. Special hazards arising from the substance or mixture

Specific hazards	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.
-------------------------	--

5.3. Advice for firefighters

Special protective equipment for firefighters	Keep containers cool by spraying with water to reduce explosion risks. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
--	--

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	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.
-----------------------------	---

6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
----------------------------------	---

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	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.
--------------------------------	--

6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
------------------------------------	---

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Eliminate all sources of ignition. For handling undiluted product: Wear protective clothing, gloves, eye and face protection.
--------------------------	---

FLORAZOL FREESIA

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description See Product Information Sheet & Label for detailed use of this product.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

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

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³

Sk

TURPENTINE, OIL

Long-term exposure limit (8-hour TWA): WEL 100 ppm 566 mg/m³

Short-term exposure limit (15-minute): WEL 150 ppm 850 mg/m³

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

FLORAZOL FREESIA

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

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.
------------------------------	--

Other health effects	Contains low levels of a sanitiser, repeated skin contact may produce an allergic reaction.
-----------------------------	---

Acute toxicity - oral

Notes (oral LD₅₀)	Classification criteria has been met – Product is classified as Harmful if Swallowed.
-------------------------------------	---

ATE oral (mg/kg)	1,853.75442188
-------------------------	----------------

Acute toxicity - dermal

Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
---------------------------------------	--

ATE dermal (mg/kg)	7,328.57543611
---------------------------	----------------

Acute toxicity - inhalation

Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
---	--

ATE inhalation (vapours mg/l)	85.36585366
--------------------------------------	-------------

FLORAZOL FREESIA

ATE inhalation (dusts/mists mg/l) 20.73170732

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

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.

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

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)

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

14.3. Transport hazard class(es)

FLORAZOL FREESIA

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

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 MARPOL73/78 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.

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

EU legislation	Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 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 both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
Guidance	Workplace Exposure Limits EH40.

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

Key literature references and sources for data	Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC. ECHA - C&L Inventory database.
Revision comments	Transport Regulations Changed. (Changes made to sections 14 & 16)

FLORAZOL FREESIA

Revision date	09/02/2016
Revision	Issue 9
SDS status	The Risk Phrases / 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 Risk Phrases / Hazard Statements relating to this Product see Section 2.
Risk phrases in full	<p>R10 Flammable.</p> <p>R11 Highly flammable.</p> <p>R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.</p> <p>R21/22 Harmful in contact with skin and if swallowed.</p> <p>R22 Harmful if swallowed.</p> <p>R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.</p> <p>R34 Causes burns.</p> <p>R36 Irritating to eyes.</p> <p>R36/38 Irritating to eyes and skin.</p> <p>R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.</p> <p>R41 Risk of serious damage to eyes.</p> <p>R43 May cause sensitisation by skin contact.</p> <p>R50 Very toxic to aquatic organisms.</p> <p>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R65 Harmful: may cause lung damage if swallowed.</p> <p>R67 Vapours may cause drowsiness and dizziness.</p>
Hazard statements in full	<p>EUH208 Contains Amyl Cinnamal. May produce an allergic reaction.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H301 Toxic if swallowed.</p> <p>H302 Harmful if swallowed.</p> <p>H311 Toxic in contact with skin.</p> <p>H312 Harmful in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H331 Toxic if inhaled.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H370 Causes damage to organs .</p> <p>H400 Very toxic to aquatic life.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>