



SAFETY DATA SHEET

FLORAZOL FREESIA

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	FLORAZOL FREESIA
PRODUCT NO.	A067 EV
INTERNAL ID	P.135B
APPLICATION	Deodoriser and Disinfectant with Bactericide.
SUPPLIER	Evans Vanodine International Brierley Road Walton Summit Preston. PR5 8AH Tel: 01772 322 200 Fax: 01772 626 000 qclab@evansvanodine.co.uk
EMERGENCY TELEPHONE	New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

2 HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes.

CLASSIFICATION Xi;R36. F;R11.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ETHANOL	200-578-6	64-17-5	30-60%	F;R11
PROPAN-2-OL	200-661-7	67-63-0	10-20%	F;R11 Xi;R36 R67
ALCOHOL (C9-11) ETHOXYLATE (8EO)		68439-46-3	1-5%	Xn;R22. Xi;R41.
METHANOL	200-659-6	67-56-1	1-5%	F;R11 T;R23/24/25,R39/23/24/25
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	270-325-2	68424-85-1	1-5%	Xn;R21/22. C;R34. N;R50.
Amyl Cinnamal	204-541-5	122-40-7	0-1%	N;R51/53. R43.
Hydroxy Citronellal	203-518-7	107-75-5	0-1%	Xi;R36. R43.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Not relevant. Inhalation unlikely.

INGESTION

DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.

SKIN CONTACT

Wash skin with soap and water.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Foam, carbon dioxide or dry powder.

FLORAZOL FREESIA

UNUSUAL FIRE & EXPLOSION HAZARDS

May explode in a fire.

SPECIFIC HAZARDS

By heating and fire, harmful vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Keep containers cool by spraying with water to reduce explosion risks. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Do not smoke, use naked flames or other sources of ignition. Avoid contact with eyes.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Small quantities may be flushed to drains with plenty of water. Large Spillages Pick up with vacuum or absorbent solid, store in closed container for disposal.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Eliminate all sources of ignition. Avoid contact with eyes.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
ETHANOL	WEL	1000 ppm	1920 mg/m3		
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limit for COSHH assessments in the UK, -----
 ST = Short-Term Exposure Limit (15 minute) & LT = Long-Term Exposure Limit (8 hours).

ENGINEERING MEASURES

Not relevant.

RESPIRATORY EQUIPMENT

Respiratory protection not required.

HAND PROTECTION

No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.

EYE PROTECTION

Eye protection recommended.

OTHER PROTECTION

None required.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Clear Yellow		
ODOUR	Floral.		
SOLUBILITY	Forms an emulsion with water.		
BOILING POINT (°C)	80	MELTING POINT (°C)	-5
RELATIVE DENSITY	0.860 @ 20 °C	FLASH POINT (°C)	20 P/M Pensky-Martens.
AUTO IGNITION TEMPERATURE (°C)	425		

FLORAZOL FREESIA

10 STABILITY AND REACTIVITY

STABILITY

No particular stability concerns.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Refer to section 2.

Other Health Effects

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract. Contains low levels of a sensitiser, repeated skin contact may produce an allergic reaction.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

LC 50, 96 Hrs, FISH mg/l Alkyl Dimethyl Benzyl Ammonium Chloride [CAS N°68424-85-1] (Rainbow Trout)
0.85 mg/l

BIOACCUMULATION

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

DEGRADABILITY

Surfactant is readily broken down by effluent treatment process.

13 DISPOSAL CONSIDERATIONS

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. Consign empty container to normal waste.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (ethanol solution & isopropanol)		
UN NO. ROAD	1993	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II	RID CLASS NO.	Class 3: Flammable liquids.
RID PACK GROUP	II	UN NO. SEA	1993
IMDG CLASS	Class 3: Flammable liquids.	IMDG PACK GR.	II
MARINE POLLUTANT	No.	UN NO. AIR	1993
AIR CLASS	Class 3: Flammable liquids.	AIR PACK GR.	II

15 REGULATORY INFORMATION

LABELLING



Irritant



Highly Flammable

FLORAZOL FREESIA

RISK PHRASES

R36 Irritating to eyes.
R11 Highly flammable.

SAFETY PHRASES

P14 Contains Amyl Cinnamal,Hydroxy Citronellal. May produce an allergic reaction.
S2 Keep out of the reach of children
S16 Keep away from sources of ignition - No smoking.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.
S3/7 Keep container tightly closed in a cool place.

UK REGULATORY REFERENCES

Classification, Packaging and Labelling Regulations 1984. Highly Flammable Liquid Regulations 1972. Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988.

ENVIRONMENTAL LISTING

Hazardous Waste (England and Wales) Regulations.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. As amended by Directive 93/112/EC, 2001/58/EC and 2006/8/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. 2008

APPROVED CODE OF PRACTICE

The compilation of safety Data Sheets L130.

GUIDANCE NOTES

Workplace Exposure Limits EH40. As amended in 2005. Approved guide to the Classification and Labelling of Substances and Preparations Dangerous for Supply. L100

16 OTHER INFORMATION

INFORMATION SOURCES

Approved Supply List - HSC (Health & Safety Commission) Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS

Safety Data sheet reviewed under CHIP 2008 [2nd ATP to Dangerous Preparations Directive 2006/8/EC] no change in product classification (Changes to sections 12 & 16.) plus Changes required for REACH (additions to Section 1 and change of order of sections 2 and 3).

REVISION DATE 07/01/09

REV. NO./REPL. SDS Issue 4

GENERATED

RISK PHRASES IN FULL

R11 Highly flammable.
R21/22 Harmful in contact with skin and if swallowed.
R22 Harmful if swallowed.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R50 Very toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.