

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name **WILD ORCHID SYSTEM 3000**
Product No. **K331**

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

Identified uses odour neutraliser

1.3. Details of the supplier of the safety data sheet

Selden Research Limited
Staden Lane
Ashbourne Road
Buxton
Derbyshire
SK17 9RZ
United Kingdom
t : 01298 26226
f : 01298 26540
e : safety@selden.co.uk

1.4. Emergency telephone number

01298 26226

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (67/548/EEC) F+;R12.

2.2. Label elements

Labelling



Extremely Flammable

Risk Phrases R12 Extremely flammable.
Safety Phrases S2 Keep out of the reach of children.
S16 Keep away from sources of ignition - No smoking.
S51 Use only in well-ventilated areas.

2.3. Other hazards

No other hazards known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not Applicable

3.2. Mixtures

BUTANE	30-60%
CAS-No.: 106-97-8	EEC (EINECS) No. 203-448-7
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flammable liquids, category 1 - H224	F+;R12
decanal	1-5%
CAS-No.: 112-31-2	EEC (EINECS) No. 203-957-4
Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin irritation, category 2 - H315	Xi;R38
Hazardous to the aquatic environment, chronic, category 3 - H412	R52/53
Hazardous to the aquatic environment, chronic, category 2 - H411	

PROPAN-2-OL	10-30%
CAS-No.: 67-63-0	EEC (EINECS) No. 200-661-7
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flammable liquids, category 2 - H225	F;R11
Eye irritation, category 2 - H319	Xi;R36
STOT***, single exposure, category 3 - Narcotic effects - H336	R67

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

General information

Inhalation	Move the exposed person to fresh air at once., Keep the affected person warm and at rest. Get prompt medical attention., For breathing difficulties oxygen may be necessary.
Ingestion	Rinse mouth thoroughly., Drink plenty of water., Get medical attention.
Skin contact	Wash the skin immediately with soap and water., Get medical attention if any discomfort continues.
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.

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

Inhalation	High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting., Gas or vapour displaces oxygen available for breathing (asphyxiant)., Unconsciousness.
Skin contact	Liquid may irritate skin.
Eye contact	Irritation of eyes and mucous membranes.

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media	Use:, Powder., Dry chemicals, sand, dolomite etc., Water spray, fog or mist.
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5.2. Special hazards arising from the substance or mixture

Unsuitable extinguishing media

5.3. Advice for firefighters

Special Fire Fighting Procedures	Containers close to fire should be removed or cooled with water., Use water to keep fire exposed containers cool and disperse vapours.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment., Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate., If leakage cannot be stopped, evacuate area.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame., Avoid spilling, skin and eye contact., Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
BUTANE	WEL	600 ppm1450 mg/m3	750 ppm1810 mg/m3	
PROPAN-2-OL	WEL	400 ppm999 mg/m3	500 ppm1250 mg/m3	

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Hand protection

Hand protection not required.

Eye protection

Eye protection should be considered when changing aerosols in dispensing unit.

Other Protection

General workwear only

Hygiene measures

DO NOT SMOKE IN WORK AREA!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	N/A.
Odour	Characteristic., Perfume.
Comments	Information given relates to total aerosol container contents.
Relative density	0.593@ 20 °c
pH-Value, Conc. Solution	N/A
Flash point (°C)	- 74
Auto Ignition Temperature (°C)	405
Flammability Limit - Upper(%)	1.8
Flammability Limit - Lower(%)	10.0

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal temperature conditions., Avoid, Heat, sparks, flames.

10.2. Chemical stability

Stable under normal temperature conditions., Avoid, Heat, sparks, flames.

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition., Increase in temperature to greater than 50 degrees will cause rise in internal pressure with likelihood of bursting/explosion.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Fire creates: , Toxic gases/vapours/fumes of: , Carbon monoxide (CO) , Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting., Gas or vapour displaces oxygen available for breathing (asphyxiant) , Unconsciousness.

Skin contact Liquid may irritate skin.

Eye contact Irritation of eyes and mucous membranes.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Not regarded as dangerous for the environment.

12.2. Persistence and degradability

Degradability

12.3. Bioaccumulative potential

Bioaccumulative potential

12.4. Mobility in soil

Mobility:

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard., Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950

14.2. UN proper shipping name

Proper Shipping Name:	AEROSOLS, FLAMMABLE
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14.3. Transport hazard class(es)

ADR/RID/ADN Class	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
Transport Labels	Not Applicable

14.4. Packing group

14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

14.6. Special precautions for user

Tunnel Restriction Code n/a

SECTION 15: REGULATORY INFORMATION

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

UK Regulatory References

Environmental Listing

Statutory Instruments Control of Substances Hazardous to Health., The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes Workplace Exposure Limits EH40., Introduction to Local Exhaust Ventilation HS(G)37., CHIP for everyone HSG (108).

EU Legislation

National Regulations

15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

SECTION 16: OTHER INFORMATION

General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision Comments

Revision Date 11/01/2007

Revision 2

Risk Phrases In Full R12 Extremely flammable.| R11 Highly flammable, R36 Irritating to eyes., R67 Vapours may cause drowsiness and dizziness.| R38 Irritating to skin., R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.|

Hazard Statements In Full	H224	Extremely flammable liquid and vapour.
	H225	Highly flammable liquid and vapour.
	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.
	H412	Harmful to aquatic life with long lasting effects.