

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

### 1.1. Product identifier

Product name **SYSTEM 3000 - CITRUS**  
Product No. **K225**

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

Identified uses **system 3000 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) **R43. F+; R12.**

### 2.2. Label elements

Contains **CITRAL, geraniol, 2,4-dimethylcyclohexene-3-carbaldehyde**

Labelling



**Extremely Flammable**



**Irritant (Xi)**

Risk Phrases **R12 Extremely flammable., R43 May cause sensitisation by skin contact.**  
Safety Phrases **S16 Keep away from sources of ignition - No smoking.**  
**S2 Keep out of the reach of children.**  
**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

2,4-dimethylcyclohexene-3-carbaldehyde	<0.5%
CAS-No.: 68039-49-6	EEC (EINECS) No. 268-264-1
Classification (EC 1272/2008)	Classification (67/548/EEC)
Eye irritation, category 2 - H319	Xi; R36/38
Skin irritation, category 2 - H315	R43, R52/53
Skin sensitisation, categories 1, 1A, 1B - H317	
Hazardous to the aquatic environment, chronic, category 3 - H412	
Hazardous to the aquatic environment, chronic, category 2 - H411	

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	
CITRAL		1-5%
CAS-No.: 5392-40-5	EEC (EINECS) No. 226-394-6	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin sensitisation, categories 1, 1A, 1B - H317	R43	
Skin irritation, category 2 - H315	Xi;R38	
geraniol		<0.5%
CAS-No.: 106-24-1	EEC (EINECS) No. 203-377-1	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin irritation, category 2 - H315	Xi;R38,R41	
Serious eye damage, category 1 - H318	R43	
Skin sensitisation, categories 1, 1A, 1B - H317		
PROPAN-2-OL		5-10%
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.
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.
Odour	Characteristic., Citrus
Comments	Information given relates to total aerosol container contents.
Relative density	0.6@ 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 Liquid may irritate skin.  
contact

Eye Irritation of eyes and mucous membranes.  
contact

### 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

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 group14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant

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	27/07/2010
Revision	7

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., R43 May cause sensitisation by skin contact.   R38 Irritating to skin., R43 May cause sensitisation by skin contact., R41 Risk of serious damage to eyes.   R43 May cause sensitisation by skin contact., R36/38 Irritating to eyes and skin., R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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Hazard Statements In Full	H224	Extremely flammable liquid and vapour.
	H225	Highly flammable liquid and vapour.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
	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.	