

# SAFETY DATA SHEET

Page 1 of 5

## Duet - Sparkling Fruits

Revision 1  
Revision date 12-Mar-2009

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** Duet - Sparkling Fruits  
Metered aerosols - Air Neutralizers.

**Intended use** Fragranced metered aerosol space sprays designed for use in proprietary automated dispensers.

**Company** Technical Concepts International Ltd  
Culley Court  
Orton Southgate  
Peterborough  
PE2 6WA  
United Kingdom  
sds@technical-concepts.co.uk  
www.technicalconcepts.co.uk

**Telephone** +44 (0)870 568 6824

**Fax** +44 (0)870 225 8390

**Informing Department** Technical Services Department.

### 2. HAZARDS IDENTIFICATION

**Main hazards** Extremely flammable.

**Classification system** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Description** Mixture of organic solvents, perfume and propane/iso-butane (propellant)

**Hazardous ingredients**

|  | Conc.  | CAS       | EINECS    | Symbols/Risk phrases |
|--|--------|-----------|-----------|----------------------|
| Ethanol                                  | 10-20% | 64-17-5   | 200-578-6 | F; R11               |
| Isopropanol<br>(Propan-2-ol)             | 1-10%  | 67-63-0   | 200-661-7 | F; R11 Xi; R36 R67   |
| Diethyl malonate                         | 1-10%  | 105-53-3  | 203-305-9 | Xi; R36              |
| Gamma-Undecanlactone                     | 0-0.5% | 104-67-6  | 203-225-4 | N; R51/53            |
| Methyl hydrogenated rosinat              | 0-0.5% | 8050-15-5 | 232-476-2 | Xi; R43              |
| Alpha-methyl-1,3-benzodioxole-5-propanal | 0-0.5% | 1205-17-0 | 214-881-6 | N; R51/53            |
| Cyclamen aldehyde                        | 0-0.5% | 103-95-7  | 203-161-7 | Xi; R38 N; R51/53    |
| Linalool                                 | 1-10%  | 78-70-6   | 201-134-4 | Xi; R38              |

**Additional Information:** Full text for all Risk Phrases mentioned in this section are displayed in Section 16.

# Duet - Sparkling Fruits

Revision 1  
Revision date 12-Mar-2009

## 4. FIRST AID MEASURES

|                     |  |
|---------------------|--|
| <b>Skin contact</b> | Remove contaminated clothing. Wash all contaminated clothing before reuse. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist. |
| <b>Eye contact</b>  | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.  |
| <b>Inhalation</b>   | Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.  |
| <b>Ingestion</b>    | Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.  |

## 5. FIRE FIGHTING MEASURES

|                             |  |
|-----------------------------|--|
| <b>Extinguishing media</b>  | Carbon dioxide (CO2) Alcohol resistant foam.<br>Do NOT use water jet.  |
| <b>Fire hazards</b>         | carbon oxides may be formed in fire conditions.                        |
| <b>Protective equipment</b> | Wear suitable protective clothing. Wear suitable protective equipment. |

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | Wear suitable protective equipment. Evacuate personnel to a safe area.  |
| <b>Environmental precautions</b> | No environmental requirements.  |
| <b>Clean up methods</b>          | Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust). |

## 7. HANDLING AND STORAGE

|                 |  |
|-----------------|--|
| <b>Handling</b> | Wear suitable protective equipment.  |
| <b>Storage</b>  | Ensure adequate ventilation of the working area.<br>Keep in a cool, dry, well ventilated area.<br>Heat will increase pressure in sealed containers.<br>Keep away from sources of ignition - No smoking.<br>Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.<br>Do not store with strong oxidising agents. Strong acids.<br>Protect from heat and direct sunlight.<br>Observe official regulations on storing packagings with pressurised containers. |

# Duet - Sparkling Fruits

Revision 1  
Revision date 12-Mar-2009

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                       |   |   |  |
|---------------------------------------|---|---|--|
| <b>Exposure limits</b>                | Propane - Listed as an asphyxiant with no limit set.  |   |  |
| Ethanol                               | WEL 8-hr limit ppm: 1000<br>WEL 15 min limit ppm: -   | WEL 8-hr limit mg/m3: 1920<br>WEL 15 min limit mg/m3: -   |  |
| Isopropanol<br>(Propan-2-ol)          | WEL 8-hr limit ppm: 400<br>WEL 15 min limit ppm: 500  | WEL 8-hr limit mg/m3: 999<br>WEL 15 min limit mg/m3: 1250 |  |
| <b>Engineering measures</b>           | Ensure adequate ventilation of the working area. The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. |   |  |
| <b>Occupational exposure controls</b> | Wash hands during breaks and at the end of the work.  |   |  |
| <b>Respiratory protection</b>         | Not required, but ensure adequate ventilation when using the product.   |   |  |
| <b>Hand protection</b>                | Not required when used as directed. Wash hands after handling the product.  |   |  |
| <b>Eye protection</b>                 | Not required when used as directed.   |   |  |
| <b>Protective equipment</b>           | Not required when used as directed.   |   |  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                 |   |
|---------------------------------|---|
| <b>Description</b>              | Aerosol.  |
| <b>Colour</b>                   | According to Product specification.   |
| <b>Odour</b>                    | Characteristic.   |
| <b>Boiling point</b>            | Not applicable, as aerosol.   |
| <b>Flash point</b>              | Not applicable, as aerosol.   |
| <b>Explosive</b>                | 1.8 - 19.0 vol%   |
| <b>Vapour pressure</b>          | 4.0 ± 0.5 bar   |
| <b>Relative density</b>         | 0.626 ± 0.006 g/cm <sup>3</sup>   |
| <b>Melting point</b>            | Not applicable, as aerosol.   |
| <b>Autoignition temperature</b> | Product is not self-igniting.   |
| <b>Further information</b>      | Product is not explosive. However, formation of explosive air/steam mixtures is possible. |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Stability</b>                        | Will not decompose if stored and used as recommended.   |
| <b>Conditions to avoid</b>              | Keep away from sources of ignition - No smoking.<br>Protect from heat and direct sunlight.<br>Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. |
| <b>Materials to avoid</b>               | Strong oxidising agents. Strong acids.  |
| <b>Hazardous decomposition products</b> | carbon oxides may be formed in fire conditions.   |

## 11. TOXICOLOGICAL INFORMATION

|                       |  |
|-----------------------|--|
| <b>Acute toxicity</b> | No data is available on this product.    |
| <b>Sensitization</b>  | May cause sensitisation by skin contact. |

# Duet - Sparkling Fruits

Revision 1  
Revision date 12-Mar-2009

## 12. ECOLOGICAL INFORMATION

|                            |  |
|----------------------------|--|
| <b>Ecotoxicity</b>         | No data is available on this product.  |
| <b>Bioaccumulation</b>     | Does not bioaccumulate.  |
| <b>Further information</b> | Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. |

## 13. DISPOSAL CONSIDERATIONS

|                              |   |
|------------------------------|---|
| <b>General information</b>   | Dispose of in compliance with all local and national regulations. |
| <b>Disposal of packaging</b> | Dispose of in compliance with all local and national regulations. |

## 14. TRANSPORT INFORMATION

### ADR/RID

|                             |            |                      |   |
|-----------------------------|------------|----------------------|---|
| <b>UN</b>                   | 1950       | <b>Packing group</b> | - |
| <b>Class</b>                | 2          | <b>Hazard ID</b>     | - |
| <b>Proper Shipping Name</b> | AEROSOLS . |                      |   |

|                |  |
|----------------|--|
| <b>Remarks</b> | UN 1950 AEROSOLS should be placed inside the diamond shaped label.<br>Goods are classed as "Limited Quantities" and are therefore exempt from ADR regulations. Check local local legislation for domestic transport. |
|----------------|--|

### IMDG

|                 |         |                         |    |
|-----------------|---------|-------------------------|----|
| <b>UN</b>       | 1950    | <b>Packing group</b>    | -  |
| <b>Class</b>    | 2       | <b>Marine pollutant</b> | NO |
| <b>EmS Code</b> | F-D S-U |                         |    |


|                |  |
|----------------|--|
| <b>Remarks</b> | "Limited Quantity"<br>AEROSOLS is required according to IMDG regulations |
|----------------|--|

### IATA

|              |      |                        |          |
|--------------|------|------------------------|----------|
| <b>UN</b>    | 1950 | <b>Packing group</b>   | -        |
| <b>Class</b> | 2    | <b>Subsidiary risk</b> | see SP63 |

|                |                      |
|----------------|----------------------|
| <b>Remarks</b> | "Limited Quantity" . |
|----------------|----------------------|

## 15. REGULATORY INFORMATION

|                            |  |
|----------------------------|--|
| <b>Labelling</b>           | The product is classified in accordance with 67/548/EEC.<br>For professional use only.   |
| <b>Symbols</b>             | F+ - Extremely flammable<br>  |
| <b>Risk phrases</b>        | R12 - Extremely flammable.   |
| <b>Safety phrases</b>      | P10 - Contains methyl hydrogenated rosinat. May produce an allergic reaction.<br>S2 - Keep out of the reach of children.<br>S16 - Keep away from sources of ignition - No smoking.<br>S23 - Do not breathe gas/fumes/vapour/spray.<br>S51 - Use only in well-ventilated areas. |
| <b>Further information</b> | Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.  |

# Duet - Sparkling Fruits

Revision 1  
Revision date 12-Mar-2009

## 16. OTHER INFORMATION

|   |  |
|---|--|
| <b>Text of risk phrases in Section 3.</b> | R11 - Highly flammable.<br>R36 - Irritating to eyes.<br>R38 - Irritating to skin.<br>R43 - May cause sensitisation by skin contact.<br>R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.<br>R67 - Vapours may cause drowsiness and dizziness.   |
| <b>Informing Department</b>               | Technical Services Department.<br>Mr. K. Anderson.   |
| <b>Data sources</b>                       | Raw Material Data Sheets.<br>EH40/2005 Occupational Exposure limits (UK)   |
| <b>Further information</b>                | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.<br>*. |