

MANUFACTURER/SUPPLIER:  
**TECHNICAL CONCEPTS INTERNATIONAL LIMITED**  
**THE NEUTRALLE CENTRE**  
**PIN GREEN BUSINESS PARK**  
**EASTMAN WAY, STEVENAGE, HERTS, SG1 4UH**

**MATERIAL SAFETY DATA SHEET**  
 ACCORDING TO 91/155/EC (as amended 2001/58/EC)  
 ISSUING DATE: June 2004

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**SECTION 1 - IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

**Product Details.**

**Trade Name:** Technical Concepts  
Neutrale Microburst 3000 metered aerosols  
**Fragrance:** Inspirations.

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

**Supplier:** Technical Concepts International Ltd.,  
 The Neutrale Centre  
 Pin Green Business Park  
 Eastman Way, Stevenage, Herts, SG1 4UH

Tel: +44 870 5686824  
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**Informing Department:** Technical Services Department

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**SECTION 2 - COMPOSITION/DATA ON COMPONENTS**

**Chemical Characterisation**

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

**Dangerous Components:**

Designation	CAS No.	EC No.	Symbol	R-Phrases	%
Ethanol	67-17-5	200-578-6	F	11	10 – 15
Propan-2-ol	67-63-0	200-661-7	Xi, F	11-36-67	5 – 10
2,4,6-Trinitro-1,3-dimethyl-5-tert-butyl benzene	81-15-2	201-329-4	E, N	2-51/53	< 1
1,1,6,7-Tetramethyl-6-acetyldecalene	54464-57-2	259-174-3	N	51/53	< 1
4-tert-Butyl-3,5-dinitro-2,6-dimethylacetophenone	81-14-1	201-328-9	N	50/53	1 – 5
Butylphenyl methylpropional	80-54-6	201-289-8	Xn	22-43	< 1
Hexyl cinnamal	101-86-0	202-983-3	Xi	43	< 1
Benzyl Salicylate	118-58-1	204-262-9	Xi	43	< 1
Citronellol	106-22-9	203-375-0	Xi, N	38-43-51/53	< 1
Cinnamyl Alcohol	104-54-1	203-212-3	Xi;	43	< 1
Hydroxyisohexyl 3-cyclohexene carboxaldehyde	31906-04-4	250-863-4	Xi;	43	< 1
Amyl cinnamal	122-40-7	204-541-5	Xi, N	43-51/53	< 1
Benzyl benzoate	120-51-4	204-402-9	Xn, N	22-51/53	< 1
Hexyl-2-hydroxybenzoate	6259-76-3	228-408-6	Xi-N	38-50/53	< 1

**Additional information** For the wording of the listed risk phrases refer to section 16.

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**SECTION 3 - HAZARDS IDENTIFICATION**

<b>Hazard Designation:</b>	F+ Extremely flammable
<b>Information pertaining to particular dangers for man and environment:</b>	R12 Extremely flammable R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
<b>Classification System</b>	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.

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**SECTION 4 - FIRST AID MEASURES**

<b>After inhalation</b>	Supply fresh air, consult a doctor if symptoms develop.
<b>After skin contact</b>	Remove soaked clothing and launder before reuse. Wash skin with water and soap. If symptoms develop or persist, consult a doctor.
<b>After eye contact</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<b>After swallowing</b>	Rinse mouth. DO NOT INDUCE VOMITING. Consult a doctor.

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**SECTION 5 - FIRE FIGHTING MEASURES**

<b>Suitable Extinguishing Agents:</b>	CO <sub>2</sub> , extinguishing powder or alcohol-resistant foam.
<b>For safety reasons unsuitable extinguishing agents:</b>	Water jet.
<b>Special hazards caused by the material, its products of combustion or flue gases:</b>	In case of fire CO may be possible.
<b>Protective Equipment:</b>	Wear protective clothing/equipment when fighting fires

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>Person-related safety precautions:</b>	Wear protective equipment. Keep unprotected persons away.
<b>Measures for environmental protection:</b>	No special measures required.
<b>Measures for cleaning/collecting:</b>	Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

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**SECTION 7 - HANDLING AND STORAGE**

<b>Handling</b>	
<b>Information for safe handling:</b>	Ensure good ventilation/exhaustion at the workplace.
<b>Information about protection against explosions and fires:</b>	Keep ignition sources away - Do not smoke. Beware: Container is pressurised. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire, even after use. Do not spray on flames or red-hot objects

(Continued)

**SECTION 7 - HANDLING AND STORAGE (continued)****Storage**

**Requirements to be met by storerooms and containers:** Store in cool location  
Observe official regulations on storing packagings with pressurised containers.

**Information about storage in one common storage facility:** Do not store together with strong acids and strong oxidising agents.

**Further information about storage conditions:** Protect from heat and direct sunlight.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Additional information about design of technical systems:** No further data; see item 7.

**Components with critical values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:**

OEL - Values:	EH40(2002)			
	Ethanol	OES	8hr TWA -	1000 ppm (1920 mg/m <sup>3</sup> )
	Isopropanol	OES	8hr TWA -	400 ppm (999 mg/m <sup>3</sup> )
			15min STEL	500 ppm (1250 mg/m <sup>3</sup> )
	Propane			Listed as an asphyxiant with no limit set

**Personal protective equipment**

**General protective and hygienic measures:** Wash hands during breaks and at the end of the work.

**Breathing equipment:** Not required, but ensure adequate ventilation when using the product.

**Protection of hands:** Not required when used as directed.

**Eye protection:** Not required when used as directed.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Aerosol

**Colour:** According to Product specification.

**Smell:** Perfume

<u>Value/Range</u>	<u>Unit</u>	<u>Method</u>
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**Change in condition**

**Melting point/Melting range:** Not applicable, as aerosol

**Boiling point/Boiling range:** Not applicable, as aerosol

**Flash point:** Not applicable, as aerosol

**Self-flammability:** Product is not self-igniting.

**Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)****Critical values for explosion:**

<b>Lower:</b>	1.8	Vol %
<b>Upper:</b>	19.0	Vol %
<b>Vapour pressure:</b>	at 20°C 4.0 ± 0.5	bar
<b>Density:</b>	at 20°C 0.619 - 0.645	g/cm <sup>3</sup>
<b>Solubility in/Miscibility with Water:</b>	Partly miscible	

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**SECTION 10 - STABILITY AND REACTIVITY**

<b>Thermal decomposition/conditions to be avoided:</b>	No decomposition if used according to instructions.
<b>Dangerous reactions:</b>	No dangerous reactions known.
<b>Materials to be avoided:</b>	Oxidising agents and strong acids.
<b>Dangerous products of decomposition:</b>	In case of fire CO may be possible.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>Acute toxicity:</b>	
<b>Primary irritant effect:</b>	
<b>On the skin:</b>	Irritation may be possible.
<b>On the eye:</b>	Irritation may be possible.

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**SECTION 12 - ECOLOGICAL INFORMATION**

<b>General notes:</b>	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
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**SECTION 13 - DISPOSAL CONSIDERATIONS**

<b>Product:</b>	
<b>Recommendation:</b>	Disposal must be made according to local regulations via a licensed waste contractor.
<b>Uncleaned packagings:</b>	
<b>Recommendation:</b>	Disposal must be made according to local regulations via a licensed waste contractor.

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**SECTION 14 - TRANSPORT INFORMATION****Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

<b>ADR/RID Class:</b>	2
<b>UN Number:</b>	1950
<b>Correct technical name:</b>	Aerosols (Flammable)
<b>Label:</b>	Diamond shaped, framed
<b>Remarks:</b>	UN 1950 AEROSOLS should be placed inside the diamond shaped label. Goods are classed as "Limited Quantities" and are therefore exempt from ADR regulations. Check local legislation for domestic transport.

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**SECTION 14 - TRANSPORT INFORMATION (continued)****Maritime transport IMDG/GGVSea**

**IMDG/GGVSea Class:** 2  
**UN Number:** 1950  
**EMS Number:** F-D, S-U  
**Marine Pollutant** No  
**Correct technical name:** Aerosols  
**Remarks** "Limited Quantity"  
 AEROSOLS is required according to IMDG regulations

**Air transport ICAO-TI and IATA-DGR**

**ICAO/IATA Class:** 2.1  
**UN/ID Number:** 1950  
**Correct Technical Name:** Aerosols, flammable  
**Remarks:** "Limited Quantity"

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**SECTION 15 - REGULATORY INFORMATION**

**Designation according to EC Guidelines:** The product has been labelled in accordance with EC Directives/relevant national laws.

For professional use only

**Code letter and hazard designation of product:** F+ Extremely flammable.

**Risk phrases:** 12 Extremely flammable.  
 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Safety phrases:** 2 Keep out of reach of children.  
 16 Keep away from sources of ignition - No smoking.  
 23 Do not breathe spray.  
 51 Use only in well-ventilated areas.

**Special label phrase:** Contains Hexyl Cinnamal, Amyl Cinnamal, Citronellol, Benzyl Salicylate, Cinnamyl Alcohol, Hydroxyisohexyl 3-cyclohexene carboxaldehyde and Butylphenyl methylpropional. May cause an allergic reaction.

**National regulations:**

**Special designation of certain preparations:**

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.

**Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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**SECTION 16 - OTHER INFORMATION**

**R-phrases used in document:**

R2	Risk of explosion by shock, friction, fire or other sources of ignition
R11	Highly flammable
R12	Extremely flammable
R22	Harmful if swallowed
R36	Irritating to eyes
R38	Irritating to skin
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R67	Vapours may cause drowsiness and dizziness

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing data specification sheet:** Technical Services Department.

**Contact:** Mr. K. Anderson

**Sources:** Raw material Safety Data sheets  
EH40/2002 Occupational Exposure limits (UK)

Revision data: Rev.7

Rev.7 – Changes to section 14 (marked !).

Rev.6 - Changes to Sections 2 and 15

Rev.5 - Changes to Section 2

Rev.4 - Compliance to CHIP 3 and the 2001/58/EC amendments to 91/155/ECC

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