



SAFETY DATA SHEET

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Expressions Aerosol

Revision 8

Revision date 21-Nov-2007

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name	Expressions Aerosol NEUTRALLE Metered aerosols - Air Neutralizers.
Intended use	Fragranced metered aerosol space sprays designed for use in proprietary automated dispensers.
Company	Technical Concepts International Ltd The Neutrallie Centre Culley Court Orton Southgate Peterborough PE2 6WA United Kingdom www.technicalconcepts.co.uk
Telephone	+44 (0)870 568 6824
Fax	+44 (0)870 225 8390
Informing Department	Technical Services Department.

2. 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 (Propan-2-ol)	10-20%	67-63-0	200-661-7	F; R11 Xi; R36 R67
Citronellol	0-0.5%	106-22-9	203-375-0	Xi; R38 Xi; R43 N; R51/53
Citral	0-0.5%	5392-40-5	226-394-6	Xi; R38 R43
Hexyl Cinnamal	0-0.5%	101-86-0	202-983-3	Xi; R43
para-Mentha-1.4 (8)-diene	0-0.5%	586-62-9	209-578-0	R10 N; R51/53 Xn; R65
Turpentine, oil (Turpentine)	0-0.5%	8006-64-2	232-350-7	R10 Xn; R20/21/22-65 Xi; R36/38 R43 N; R51/53

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

3. HAZARDS IDENTIFICATION

Main hazards	Extremely flammable.
Other 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.

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4. FIRST AID MEASURES

Skin contact	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.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Handling	Wear suitable protective equipment.
Storage	Ensure adequate ventilation of the working area. Keep in a cool, dry, well ventilated area. Heat will increase pressure in sealed containers. Keep away from sources of ignition - No smoking. 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. Do not store with strong oxidising agents. Strong acids. Protect from heat and direct sunlight. Observe official regulations on storing packagings with pressurised containers.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 1920 WEL 15 min limit mg/m3: -
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500	WEL 8-hr limit mg/m3: 999 WEL 15 min limit mg/m3: 1250
Turpentine, oil (Turpentine)	WEL 8-hr limit ppm: 100 WEL 15 min limit ppm: 150	WEL 8-hr limit mg/m3: 566 WEL 15 min limit mg/m3: 850

Engineering measures

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.

Occupational exposure controls

Wash hands during breaks and at the end of the work.

Respiratory protection

Not required, but ensure adequate ventilation when using the product.

Hand protection

Not required when used as directed. Wash hands after handling the product.

Eye protection

Not required when used as directed.

Protective equipment

Not required when used as directed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Aerosol.
Colour	According to Product specification.
Odour	Characteristic.
Boiling point	Not applicable, as aerosol.
Flash point	Not applicable, as aerosol.
Explosive	1.2 - 23.5 vol %
Vapour pressure	5.0 - 5.5 bar
Relative density	0.623 ± 0.006 g/cm³
Melting point	Not applicable, as aerosol.
Autoignition temperature	Product is not self-igniting.
Further information	Product is not explosive. However, formation of explosive air/steam mixtures is possible.

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data is available on this product.
Sensitization	May cause sensitisation by skin contact.

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12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
Disposal of packaging	Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

ADR/RID

UN	1950	Packing group	-
Class	2	Hazard ID	-
Proper Shipping Name	AEROSOLS .		

Remarks	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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IMDG

UN	1950	Packing group	-
Class	2	Marine pollutant	NO
EmS Code	F-D S-U		


Remarks	"Limited Quantity" AEROSOLS is required according to IMDG regulations
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IATA

UN	1950	Packing group	-
Class	2	Subsidiary risk	see SP63

Remarks	"Limited Quantity" .
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15. REGULATORY INFORMATION

Labelling	The product is classified in accordance with 67/548/EEC. For professional use only.
Symbols	F+ - Extremely flammable 
Risk phrases	R12 - Extremely flammable.
Safety phrases	P10 - Contains citronellol, citral, hexyl cinnamal. May produce an allergic reaction. S2 - Keep out of the reach of children. S16 - Keep away from sources of ignition - No smoking. S23 - Do not breathe gas/fumes/vapour/spray. S51 - Use only in well-ventilated areas.
Further information	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.

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16. OTHER INFORMATION

Text of risk phrases in Section 2	R10 - Flammable. R11 - Highly flammable. R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R36 - Irritating to eyes. R36/38 - Irritating to eyes and skin. R38 - Irritating to skin. R43 - May cause sensitisation by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed. R67 - Vapours may cause drowsiness and dizziness.
Informing Department	Technical Services Department. Mr. K. Anderson.
Data sources	Raw Material Data Sheets. EH40/2005 Occupational Exposure limits (UK)
Further information	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.