

SAFETY DATA SHEET

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TCELL - Polar Mist

Revision 3
Revision date 3-Oct-2008

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name TCELL - Polar Mist
TCell.

Intended use Fragrancing module designed for use in proprietary automated system.

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Informing Department Technical Services Department.

2. HAZARDS IDENTIFICATION

Main hazards Flammable Irritating to skin. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 natural and/or synthetic raw materials.

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
D-Limonene	1-10%	5989-27-5	227-813-5	R10 Xi; R38 R43 N; R50/53
Diethyl malonate	1-10%	105-53-3	203-305-9	Xi; R36
4-Tertiary-butylcyclohexyl acetate	1-10%	32210-23-4	250-954-9	N; R51/53
Linalool	20-30%	78-70-6	201-134-4	Xi; R38
5-methyl-2-(1-methylethyl)-cyclohexanol	1-10%	1490-04-6	216-074-4	Xi; R38
Trans-Methone	1-10%	10458-14-7	233-944-9	R52/53

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

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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. Seek medical attention.
General information	Take Risk and Safety phrases (section 15) into consideration.

5. FIRE FIGHTING MEASURES

Extinguishing media	Carbon dioxide (CO2) Alcohol resistant foam. Do NOT use water jet.
Fire hazards	Carbon oxides. Carbon dioxide (CO2)
Protective equipment	Wear suitable protective clothing. Wear suitable protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Avoid contact with skin and eyes. Self-contained breathing apparatus. Wear suitable protective equipment. Evacuate personnel to a safe area. Keep personnel away from spill.
Environmental precautions	Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not let product contaminate subsoil.
Clean up methods	Avoid sparks, flames, heat and sources of ignition. Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. HANDLING AND STORAGE

Handling	Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene. Wear suitable protective equipment.
Storage	Ensure adequate ventilation of the working area. Keep in a cool, dry, well ventilated area. Keep away from sources of ignition - No smoking. Do not open by force or throw into fire, even after use. Do not store with strong oxidising agents. Protect from heat and direct sunlight, strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation of the working area.
Occupational exposure controls	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Respiratory protection	Not normally required.
Hand protection	Wash hands after handling the product.
Eye protection	Avoid contact with eyes.
Protective equipment	Adopt best Manual Handling considerations when handling, carrying and dispensing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	According to Product specification.
Odour	Characteristic.
Boiling point	N/A°C
Flash point	44°C
Relative density	0.908 g/cm ³
Water solubility	slightly soluble in water.
Further information	Product is not self-igniting. 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.
Materials to avoid	Strong oxidising agents. Strong acids.
Hazardous decomposition products	Carbon oxides. Carbon dioxide (CO ₂)

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

Ecotoxicity	This material is unlikely to accumulate in the environment and environmental problems under normal use conditions are unexpected.
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.

“Limited Quantity” .

15. REGULATORY INFORMATION

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

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16. OTHER INFORMATION

Text of risk phrases in Section 3.	R10 - Flammable. 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.
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. * .