



## CHEMICAL SAFETY DATA SHEET

### RISALAH DATA KESELAMATAN KIMIA

The Occupational Safety & Health Act 1994 (Use and Standard of Exposure of Chemical Hazardous to Health, USECHH). Regulations 2000 – Part VII, Section 25; prescribes that Chemical Safety Data Sheet (CSDS) shall be kept in a conspicuous place close to each location where that chemical is used., and shall be easily accessible to the employees.

Akta Keselamatan & Kesihatan Pekerjaan 1994; Peraturan-Peraturan (Penggunaan dan Standard Pendedahan Bahan Kimia Berbahaya Kepada Kesihatan, USECHH) 2000 – Bahagian VII, Seksyen 25; menyatakan bahawa Risalah Data Keselamatan Kimia (CSDS) hendaklah diletakkan di tempat yang mudah dilihat berdekatan dengan setiap lokasi bahan kimia itu digunakan di hendaklah mudah diperolehi pekerja.

## Section 1: Chemical Product & Company Identification SEKSYEN 1: PENGENALPASTIAN PRODUK KIMIA DAN SYARIKAT

### Product Details/Maklumat Produk

Product Name: Melaklean Air Conditioning Treatment  
Trade Name: Melaklean  
Chemical Name: Compound formula  
Chemical Formula: n.a.  
Molar Mass: n.a.  
Chemical Family: Complex mixture hydrocarbons  
Manufacture's Code: n.a.  
Applications: Sanitizer for use in air conditioning systems

### Company Identification / Pengenalpastiann Syarikat

Manufacturer's Name and Address: Melaklean Cleaner Air Products  
6 Amberwood Place, Castle Hill, Australia, 2154  
Importer's/Distributor's Name and Address: Rotol-Melaklean  
N12, Jalan Pemberita U1/49, Temasya Industrial Park, 40150 Shah Alam  
Telephone Number: 60355692211  
Emergency Telephone Number: **please provide**

### Contact Point/ Titik Hubungan

Designation: **Please provide**  
Department: Rotol Melaklean  
Telephone Number: 60355692211

NOTE: The contact point given should direct a caller to someone who can clarify information of provide further information and/or a bibliography of the product.

NOTA: Titik hubungan yang diberi hendaklah terus dari pemanggil ke orang yang boleh member maklumat atau menyediakan maklumat tambahan dan/atau bibliografi mengenai produk tersebut.

## Section 2: Composition/Information on Ingredients

### SEKSYEN 2: KOMPOSI & MAKLUMAT BAHAN

Chemical Name Nama Kimia	*CAS no. No. CAS*	Proportion Komposisi	Exposure Limit HAD DEDAHAN	Toxicity Data DATA TOKSIK
Paraffin Oil	8012-95-1	from	70%	None set
None set				
Tea Tree Oil	68647-73-4	from 1-15%		
Lavender Oil	8000-28-0	from 10-15%		
Other Essential Oils	Not Listed	<10%		

## Section 3: Physical & Chemical Properties

### SEKSYEN 3: SIFAT-SIFAT FIZIKAL DAN KIMIA

Appearance:	a yellow to clear mobile liquid
Odour:	characteristic tea tree/eucalyptus
Solubility:	Insoluble in water, miscible with hydrocarbons
Boiling Point:	
Melting Point:	n.a.
Vapour Pressure:	na
Percentage Volatiles:	30-40%
Evaporation Rate:	~2 mg/ minute
Vapour Density:	na
Specific Gravity:	~0.86 to 0.98 g/ml
Flash Point:	> 60 degrees C
Auto Ignition Temperature:	> 175 degrees C

## Section 4: Hazard Identification

### SEKSYEN 4: PENGENALPASTIAN BAHAYA

Product Classification: Low risk

Effects of Exposure

Eyes: Concentrations higher than recommended may generate eye irritation

Skin: Non irritant

Inhalation : No Hazard expected in normal industrial use. Use in well ventilated areas.

## Section 5: First Aid Measures

### SEKSYEN 5: LANGKAH-LANGKAH PERTOLONGAN CEMAS

#### Ingestion

If victim is conscious and alert, give 2-4 cupfuls of milk or water to drink. Seek medical attention immediately.

#### Eye

Immediately flush eyes with plenty of water for at least 15 minutes, lifting the upper and lower lids. Seek medical attention.

#### Skin

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

#### Inhaled

Remove from exposure to fresh air immediately. Seek medical attention.

### **First Aid Facilities**

Ensure an eye bath and safety shower are available and ready for use.

### **Advice to Doctor**

There is no specific antidote. Treat symptomatically based on judgement of doctor and individual reactions of patient.

### **Toxicity Data**

Oral LD50 = not available Dermal LD50 = not available Inhalation LC50 = not available Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP or OSHA.

## **Section 6: Fire Fighting Measures**

### **SEKSYEN 6: LANGKAH-LANGKAH PENCEGAHAN API**

#### **Fire / Explosion**

Material is stable at room temperature in closed containers under normal storage and handling conditions.

Hazardous polymerisation has not been reported.

#### **Extinguishing Media**

Fire-fighters should wear full protective clothing including self-contained breathing apparatus. Use foam, dry chemical & CO<sub>2</sub> equipment/media appropriate to chemical fire conditions.

Fire Fighting Instructions: If a significant amount of this product is involved in a fire, call the fire brigade.

Special Hazards: Fire decomposition products from this product may be toxic. Use appropriate respiratory protection gear when fighting a fire involving this product.

## **Section 7: Accident Release Measures**

### **SEKSYEN 7: LANGKAH-LANGKAH PENGAWALAN PELEPASAN**

#### **TIDAK SENGAJA**

##### **Leak/Spill Procedure**

In the event of a major spill, prevent product from entering drains or water courses. Wear full protective clothing including face mask, face shield and gauntlets. All skin areas should be covered. Stop leak if safe to do so and contain spill, using either oil absorbent material or by building a dike to stop material spread. Do not use sawdust or other combustible material.

Sweep up and collect in recyclable containers. Dispose to waste or salvage as appropriate. Wash affected area with a suitable surfactant/detergent.

Launder all affected clothing.

## **Section 8: Handling and Storage**

### **SEKESYE 8: PENGEDALIAN DAN PENYIMPANAN**

#### **Handling/Storage**

##### **Storage / Transport**

Store in a cool, dry, well-ventilated area away from incompatible materials. No special precautionary measures required.

##### **Packaging / Labelling**

UN No. N/A

Class : None Allocated

Subsidiary Risk : None Allocated

Hazchem Code : N/A

Pack Group : III

EPG No. : N/A

Shipping Name : Melaklean

Hazard : HARMFUL if ingested

##### **Risk Phrases**

Harmful by inhalation and if swallowed.

## Section 9: Exposure Control and Personal Protection

### SEKSYEN 9: KAWALAN PENDEDAHAN DAN PERLINDUNGAN DIRI

#### Exposure Limit

Worksafe Australia recommends the following exposure limit : TWA Not SET mg/m<sup>3</sup> STEL – NOT SET mg/m<sup>3</sup> .

#### Engineering Controls

Ensure adequate general or local exhaust ventilation to maintain airborne concentrations below exposure limits.

#### Respiratory and Personal Protection

Wear appropriate protective eyeglasses or chemical safety goggles to prevent eye contact. Wear impervious gloves. Wear appropriate protective clothing to minimise skin contact. Wear appropriate breathing apparatus according to risk of exposure and airborne concentrations. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities. Minimise vapour generation and accumulation.

#### Flammability

Flammable

## Section 10: Stability and Reactivity

### SEKSYEN 10: KESTABILAN DAN KEREAKTIFAN

Stability: Stable

Condition to Avoid: Store in dry cool places, below 30 degrees C. Keep away from sources of sparks or igniton.

Decomposition Product: Carbon Dioxide and if combustion is not complete carbon monoxide and smoke, water.

Hazardous Polymerisation: This product is unlikely to undergo polymerization processes.

Incompatibilities : strong acids, strong oxidizing agents, strong reducing agents, zeolites and similar mineral products.

## Section 11: Toxicological Information

### SEKSYEN 11: MAKLUMAT TOKSIKOLOGY

Toxicity Data: No data on hand indicating any particular target organs

Carcinogenicity: No Known effects

Reproductive Effects: none known

Effects of Overexposure: eye irritation, respiratory irritation

Chronic Effects: none Known

Target Organs: none known

Medical Conditions Generally Aggravated By Exposure: rhinitis sufferers may experience increased sneezing for up to 24 hours, after which effects should disappear.

## Section 12: Ecological Information

### SEKSYEN 12: MAKLUMAT EKOLOGI

Biodegradable: this product is biodegradable, it will not accumulate in the soil or water or cause long term problems.

## Section 13: Disposal Information

### SEKSYEN 13: MAKLUMAT PELUPUSAN

Containers should be disposed completely via recycling or by disposing to approved landfill site.

## Section 14: Transport Information

### SEKSYEN 14: MAKLUMAT PENGANGKUTAN

UN No. : N/A  
Class : None Allocated  
Subsidiary Risk : None Allocated  
Hazchem Code : N/A  
Pack Group : III  
EPG No. : N/A  
Shipping Name : Melaklean  
Hazard : Flammable if exposed to intense fire source.

#### Risk Phrases

Harmful by inhalation and if swallowed.

## Section 15: Regulatory Information

### SEKSYEN 15: PIAWAIAN

Risk / Safety Phrases

Harmful if swallowed. Keep out of reach of children.

## Section 16: Other Information

### SEKSYEN 16: MAKLUMAT LAIN

NOTE: This Chemical Safety Data Sheet and the information herewith have been offered to the reader in good faith as being accurate. We have reviewed any information on this data sheet, which we have received from external sources. We believe that the information provided herewith to be correct but cannot guarantee its accuracy or completeness. Safety and Health precautions in this data sheet may not be adequate for all individuals and/or situation. It is the readers obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied. English is the governing language of this Chemical Safety Data Sheet and shall prevail over any translations that shall be made of this data sheet. In case of divergent interpretation of the Malay and English texts, the English language shall prevail.

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Bahasa Inggeris ialah bahasa utama untuk Risalah Data Keselamatan Kimia ini dan hendaklah diutamakan jika terjemahan dibuat ke atas risalah ini. Jika berlaku percanggahan di antara terjemahan bahasa Melayu dan bahasa Inggeris, maka bahasa Inggeris akan dipilih.

#### Revision

December 17, 2007

Last Reviewed: 3/2007