

MATERIAL SAFETY DATA SHEET



1. IDENTIFICATION

PRODUCT NAME: CLS Diffusion Fluid

USE: Medicinal grade white oil for use in foodstuffs, cosmetics and similar industries. Complies with BP and USP regulations.

Product Name:	CLS Diffusion Fluid
Supplier:	Concert Lighting Systems (Aust) Pty Ltd
ABN:	14 005 422 319
Address:	Melbourne Office 63-65 Kingsway Southbank VIC 3006 Sydney Office 60 Epsom Road NSW 2018
Telephone:	Melbourne: (03) 9682 6111 Sydney: (02) 9697 2500
Fax:	Melbourne: (03) 9682 6777 Sydney: (02) 9697 2522
Emergency Telephone Number:	(03) 9682 6111 (Business Hours)

2. PHYSICAL DESCRIPTION/PROPERTIES

Appearance and Odour:	Water white oily liquid taste or odour
Chemical Reactivity:	Stable. Reacts with strong oxidising agents

SPECIFIC GRAVITY:	0.86 @ 15C
BOILING POINT © :	>280
MELTING POINT © :	n/ap.
VAPOUR PRESSURE:	< 0.0000003 mmHg @20C
VAPOUR DENSITY:	> 1 (Air = 1)
EVAPORATION RATE:	n/ap.
SOLUBILITY (WATER):	Negligible
PERCENT VOLATILES:	n/ap.

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3. FIRE/EXPLOSION HAZARD

FLASH POINT ©: 230 (Cleveland Open Cup)
AUTOIGNITION ©: >230
LEL: 1% v/v UEL: 10% v/v

4. INGREDIENTS

Highly refined mixture of Paraffinic Hydrocarbons 100%

5. HEALTH HAZARDS

Health Effects

The LD 50 data given has not been determined specifically for the product but based on the toxicities of similar substances.

LD 50 (Acute, Oral) - >10ml/Kg

LD 50 (Acute, Percutaneous) - > 4 ml/kg

CLS Diffusion Fluid is not expected to cause adverse health effects if swallowed. The oils are at the most slightly irritating to the skin of experimental animals, repeated exposure may result in more marked irritation. Skin irritation in man is rare and if it does occur takes the form of a mild reversible irritation. There are no reports of long term adverse effects in man attributable to the medical use of white oils.

Swallowed: If swallowed white oils are not expected to cause adverse health effects.

Eye contact: White oils can slightly irritate the eyes.

Inhaled: White oils are not expected to be an inhalation hazard.

Notes to physician: Non-toxic medicinal grade oil. Observe and treat symptomatically.

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6. PRECAUTIONS FOR USE

Exposure Limits

Threshold Limit Value (TLV) – mineral oil mist – 5 mg/m³ TWA ACGIH.

Engineering Controls

Special ventilation is not normally required due to the low volatility of the material at normal temperature. However in the operation of certain equipment, oil mists or vapour may be generated and ventilation should be provided to maintain air levels below the TLV.

Personal Protection

Since we cannot anticipate or control the many different conditions under which this information and our products may be used, each user should review these recommendations in the specific context of the intended application and follow where appropriate.

For normal industrial use, where contaminant vapour/mist levels are low the following equipment is recommended.

- 1). Gloves (non absorbent)
- 2). Cotton overalls done up.
- 3). Leather boots with rubber soles.

Where high contaminant spray mist or vapour levels exist or are expected to arise the following additional equipment is recommended:-

1). For short elevated exposures, eg spillages:- goggles and protector brand RQ 2000 Half Mask Respirator with eg RC Organic Vapour/Dust or RC-56 Organic Vapour Cartridges. NB: If vapour levels are extremely high air supplied apparatus should be used.

2). For prolonged exposures and confined spaces:- Full face air supplied or self contained breathing apparatus.

No significant skin contact including that from clothing contamination should be allowed. Launder contaminated clothing before reuse. Gloves or footwear internally contaminated should be discarded.

Observe good personal hygiene – wash hands thoroughly with soap or hand cleanser before eating, drinking or smoking and before using the toilet.

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7. FLAMMIBILITY

Combustible liquid. Will not burn unless preheated. Isolate from sources of heat, naked flames or sparks.

8. STORAGE AND TRANSPORT

No special requirements.

9. SPILLS AND DISPOSAL

Extinguish or remove all sources of ignition. Shut off source of leak if safe to do so. Dike and contain spill with sand or earth.

MINOR: Absorb the liquid with sand, earth or other absorbent. Place used absorbent in suitable, sealable, labeled containers. Dispose of following requirements of state environmental authority.

MAJOR: Take up with vacuum truck if available or absorb with sand, earth or other absorbent. Place used absorbent in suitable, sealable, labeled containers. Dispose of following requirements of state environmental authority.

Clean contaminated area with water and detergent.

Do not flush to drain or sewers. Do not contaminate stream, rivers or water courses. Inform local authority if liquid enters drains, sewers, streams, etc.