

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:	0.84 @ 15C
BOILING POINT @ :	>280 C
MELTING POINT @ :	n/ap.
VAPOUR PRESSURE:	< 0.0005 kPa @ 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 ©: 170C (Approximately)
AUTOIGNITION ©: >320C
LEL: 0.45% v/v UEL: 4.5% 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, do NOT induce vomiting, seek medical advice.

Eye contact: Flood eyes with water for about 20 minutes, if irritation occurs seek medical advise.

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

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6. PRECAUTIONS FOR USE

Exposure Limits

Worksafe Exposure Standard: time weighted average (TWA) 5mg/m³ (oil mist) short term exposure limit (STEL) 10mg/m³ (oil mist)

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.

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

7. FLAMMIBILITY

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

Refer to AS 1940 – Storage and handling of flammable and combustible liquids and AS 2865 – Safe working in a confined space, for more specific information on these subjects.

8. STORAGE AND TRANSPORT

Transport – Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

9. SPILLS AND DISPOSAL

Extinguish or remove all sources of ignition, shut off source of leak if safe to do so. 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.

Disposal – Follow state or local authority regulations and guidelines for disposal of the waste, clean area with detergent and water. Do not allow product to enter drains, sewers or water courses – inform local authority if this occurs.