

S P E C I A L P R O J E C T S L I M I T E D High Tree Farm Wood End Herts SG2 78B Tel: +44 (0)1438 869 005 Fax: +44 (0)1438 869 006 Mobile : +44 (0)777 1756 747 / +44 (0)7796 968 655 E-mail: info@laserlightshows.co.uk Web Site : www.laserlightshows.co.uk

COSHH Risk Assessment

Unit Safety Coordinator/Supervisor:	William Hitchins
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Describe the activity. (Inc. how long/ how often this is carried out and quantity substance used)	Production of sr Performed daily				ade mineral oil. minutes at a time.	
Location	Indoors and outside.					
Identify the persons at risk:	Employees	X	Venue Staff	X	Public X]
Name the substance(s) involved in the process (A copy of a current safety data sheet is available.)	Diffusion Fluid					
Classification (state the cate	gory of danger <u>)</u>					
Very Toxic		Irritar	1t-dermatitis		Extremely Flammable	
		Sens	itising	*	Highly Flammable	
		Biolo	gical	*	Flammable	
Harmful-lung damage if swallowed		Oxidi	sing		Environmental -aquatic organisms	
<u>Hazard Type</u>						
Gas Vapour Mist	Fume Du	ist L	iquid Soli	d Other	(State):	
Route of Exposure						
X						
Inhalation Skin	Eyes		estion	Other	(State)	
Workplace Exposure Limits	• • •			-	· //-	
Long-term exposure level (8h N/A	nr I WA):		Short-term ex N/A	cposure lev	el (15 mins):	
Risks to Health from Identi	fied Hazards: No	ote app	ropriate Risk	Phrases		
Inhaled: Acute exposure may result in bronchial irritation Absorbed through skin: Chronic exposure may cause contact or eczematous dermatitis Swallowed: May cause diarrhoea						
Control Measures: Note en		ventila	tion and othe	er requiren	nents needed	
Systems run for as short a time All spills and drips cleaned up a						
Safety Phrases: N/A						

Is health surveillance or monitoring required?		Yes	NoX
Personal Protective Equipment (state type and s	tandard)		
Dust mask	Visor		
Respirator	Goggles		
Gloves	Overalls		
Footwear	Other		
First Aid / Emergency Measures			
Eye Contact: Wash eyes with large amounts of wate evidence of chemical is clear.	r/saline solution c	occasionally lifting u	upper & lower eyelids until
Skin Contact: Wash with soap & water.			
Inhaled: Remove to fresh air.			
Swallowed: No specific antidote. Treat symptomatica	Illy and supportive	ely.	
Fire Extinguishing: Dry chemical, waterfog, CO2, foam or sand/earth. Closed containers exposed to fire may be cooled with water.			
Measures to be Taken in Case of Spillage: Shut off leak and dyke up large spills. Absorb with an and dispose of in accordance with local regulations.	inert material suc	ch as sand, earth o	r vermiculite. Sweep up
Storage: Note type of storage required			
No special requirements.			
Disposal of Substances & Contaminated Con	tainers		
Hazardous Waste X Put Down Dr	ain	General Skip	
(If Other Please State):			
Is exposure adequately controlled?	Yes X	No	
Risk Rating Following Control Measures			
High Mec	lium		Low
Assessed by: William Hitchins Pos	tion: Technica	al Manager	Date: 6/12/15

MATERIAL SAFETY DATA SHEET (MSDS) REEL EFX DIFFUSION FLUID

1. Identification of the Chemical Product:

White Mineral Oil, CAS Number 8012-95-1

2. Name & Address of the Supplier in Europe:

A.C. Lighting Ltd Unit 3 Spearmast Industrial Park Lane End Road Sands High Wycombe Bucks HP12 4JG England

 Telephone:
 +44 (0)1494 446000

 Fax:
 +44 (0)1494 461024

 Email:
 sales@aclighting.co.uk

 Internet:
 http://www.aclighting.co.uk

3. Identification of Any Dangers:

Inhaled:	Acute exposure may result in bronchial irritation
Absorbed through skin:	Chronic exposure may cause contact or eczematous
-	dermatitis
Swallowed:	May cause diarrhoea

4. Description of First Aid Treatment to be Given in Case of Emergency:

Eye Contact:	Wash eyes with large amounts of water/saline solution occasionally lifting upper & lower eyelids until evidence of chemical is clear.
Skin Contact: Inhaled:	Wash with soap & water. Remove to fresh air.
Swallowed:	No specific antidote. Treat symptomatically and supportively.

5. Fire Precautions:

Flash Point: Fire Extinguishing:	Greater than 193 degrees Centigrade (closed cup) Dry chemical, waterfog, CO2, foam or sand/earth.
r në Extinguishing.	Closed containers exposed to fire may be cooled with
	water.

6. Measures to be Taken in Case of Spillage:

Shut off leak and dyke up large spills. Absorb with an inert material such as sand, earth or vermiculite. Sweep up and dispose of in accordance with local regulations.

7. Precautions to be Taken in Storage & Handling:

Keep away from heat & flames. Do not store near strong oxidising agents such as hydrogen peroxide, bromide and chromic acid. The maximum storage temperature is 66 degrees Centigrade.

8. Precautions for Workers to Follow when Handling:

Respiratory Protection:	Under normal use none.
	When concentrations are above 5mg per cubic meter an approved air respirator.
Protective Clothing:	Wear oil impervious clothing. Avoid wearing clothing soaked with mineral oil.
	Wear appropriate protective gloves to avoid skin contact.
	Always wear splash proof goggles when dealing with spills
Ventilation:	Always ensure adequate ventilation to meet permissible exposure limits (PEL)

9. Physical & Chemical Properties

Formula:	A mixture of liquid hydrocarbons refined from petroleum.
Chemical Name:	White Mineral Oil
Toxic or hazardous Ingredients:	None
Odour, Appearance, Colour & Form:	An odourless clear viscous liquid.
Specific Gravity:	0.83 to 0.90 (water = 1.0)
Vapour Pressure:	In mmHg @ 20 degrees Centigrade – Less than 0.55mm
Boiling Point:	360 degrees Centigrade
Melting Point:	Not applicable. Does not melt down under heat.
Evaporation rate:	Nil @ 25 degrees Centigrade. (butyl acetate = 1.0)

10. Stability & Reactivity:

Keep away from strong oxidisers such as hydrogen peroxide, bromide and chromic acid.

11. Toxicological Information: Non toxic.

12. Ecological Information:

No data available. As the substance is not soluble in water do not flush into water or waste system.

13. Information Concerning Disposal of Waste Product: Dispose of in accordance with all local regulations.

14. Information Concerning Transport of Product:

Department of Transport:Non regulated.Reportable Quantity:NoneFreight Classification:65 Petroleum OilSpecial Transportation Notes:None

15. Information Regarding Conformity to Relevant Regulations:

No data available for Europe. The fluid meets the requirements of the US Food & Drug Administration CFR 172.878 The fluid is not suspected to be a cancer agent.