



MATERIAL SAFETY DATA SHEET

MSDS Revision : 1.0

MSDS Revision Date : 26/05/2016

Section 1 Product Identification

1.1	Product Name : Clearlights 24Pk Oriental Flg
1.2	Chemical Name : NA
1.3	Article number and barcode : art 30221815 barcode : 5411708145538
1.4	
1.5	Product use : Candle
1.6	Supplier's Name :
1.7	Supplier's Address : I
1.8	<p>Emergency Phone : 0032 11 621 311 (This telephone number is available during office hours only.)</p> <p>IRELAND (REPUBLIC OF) National Poisons Information Centre Beaumont Hospital +353 1 8379964</p> <p>UNITED KINGDOM National Poisons Information Service (Birmingham Centre) City Hospital +44 (0) 870 600 6266 (UK only)</p>
1.9	Other

Section 2 Hazard Identification

2.1	Hazard Identification : Classification according to Regulation (EU) 1272/2008 No classified						
2.2	Routes of entry	Inhalation	No	Absorption	No	Ingestion	No
2.3	<p>Effects of exposure</p> <p>Ingestion: If swallowed, no significant adverse health effects are anticipated. Ingestion can cause a laxative effect.</p> <p>Eyes: May cause minor eye irritation.</p> <p>Skin: May cause mild, transient skin irritation.</p> <p>Inhalation: Not expected to be an inhalation hazard</p>						
2.4	<p>Symptoms of Over exposure</p> <p>Ingestion: Gastrointestinal discomfort, nausea, vomiting, and headache</p> <p>Eyes: Moderate irritation, redness, and watering.</p> <p>Skin: Contact dermatitis, (rash), characterized by red, dry, itching skin.</p> <p>Inhalation: Vapors may be irritating to nose, throat and respiratory tract</p>						
2.5	<p>Acute Health Effects</p> <p>Ingestion: Gastrointestinal irritation, nausea, and vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal.</p> <p>Eyes: Slight eye irritant</p> <p>Skin: May be irritating to the skin.</p> <p>Inhalation: Acute exposure may cause respiratory tract irritation in some sensitive individuals.</p>						
2.6	Chronic Health Effects : None reports by the manufacturer						



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2.7	Target organs : None reports by the manufacturer
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2.8	Toxicological Properties : None reports by the manufacturer
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NA= Not Available ND= Not Determined NE= Not Established NF = Not Found C= Ceiling Limit	
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Section 3 Composition & Ingredient Information

Chemical Name(s)	CAS No.	RTE Cs No.	EINECS No.	%	Exposure Limits in Air (mg/m ²)								Classification according Regulation (EU) 1272/2008 (CLP)
					ACGIH		NOHSC		OSHA				
					ppm		ppm		ppm				
TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	TLV	STEL	IDLH						
Diethyl malonate	105-53-3	NA	203-305-9	0.05-0.2	NE	NE	NF	NF	NF	NE	NE	NE	H319
3a,4,5,6,7,7a-Hexahydro-1H-4,7-methanoinden-1-yl acetate	5413-60-5	NA	226-501-6	0.05-0.2	NE	NE	NF	NF	NF	NE	NE	NE	H412
3,7-Dimethylocta-1,6-dien-3-ol	78-70-6	NA	201-134-4	0.05-0.2	NE	NE	NF	NF	NF	NE	NE	NE	H315, H319

Section 4 First Aid Measures

4.1	<p>Frist Aid:</p> <p>Ingestion : No hazards which require special first aid measures. Rinse mouth with water. Drink 1 or 2 glasses of water. If you feel unwell, seek medical advice.</p> <p>Eyes : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist</p> <p>Skin : No hazards which require special first aid measures. Wash off with soap and water. Get medical attention if irritation develops and persists.</p> <p>Inhalation : No hazards which require special first aid measures. Provide fresh air.Keep at rest.</p>
4.2	Medical Conditions aggravated by expose: Not applicable



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5. Firefighting Measures

5.1	Flashpoint & method: ND				
5.2	Auto-ignition Temperature: NA				
5.3	Flammability limits	Lower explosive limit (LEL)	ND	Upper explosive limit (UEL)	ND
5.4	Extinguishing methods: Use dry chemical, CO2, water spray or alcohol resistant foam.				
5.5	Firefighting Procedures: Special protective equipment for fire fighters. In the event of fire, cool tanks with water spray.				
Additional information:					

Section 6. Accidental release measures

6.1	Spills: Scrape up. Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations. Local authorities should be advised if significant spillages cannot be contained.
6.2	Any other forms of release: Do not flush into surface water or sanitary sewer system.

Section 7. Handling & storage information

7.1	Work & Hygiene practices: Ensure adequate ventilation. Wear personal protective equipment. See also section 8. Do not breathe fumes. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with incompatible materials. Do not let product enter drains. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Keep working clothes separately.
7.2	Storage & handling: Keep tightly closed in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry, cool and well-ventilated place. Do not burn, or use a cutting torch on, the empty drum: Store in original container.
7.3	Special precautions: No data available
7.4	Additional information:



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Section 8. Exposure controls & personal protection

8.1	Ventilation & engineering controls: Not required under normal conditions of use. Use with adequate ventilation (e.g., open doors and windows, local exhaust ventilation).											
8.2	Respiratory protection : Not required under normal conditions of use.											
8.3	Eye protection : Not required under normal conditions of use.											
8.4	Hand protection : Not required under normal conditions of use.											
8.5	Body protection Not required under normal conditions of use.	<table border="1"> <thead> <tr> <th></th> <th>Hazard rating</th> </tr> </thead> <tbody> <tr> <td>HEALTH</td> <td>0</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARDS</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>A</td> </tr> </tbody> </table>		Hazard rating	HEALTH	0	FLAMMABILITY	0	PHYSICAL HAZARDS	0	Personal Protection	A
	Hazard rating											
HEALTH	0											
FLAMMABILITY	0											
PHYSICAL HAZARDS	0											
Personal Protection	A											

Section 9. Physical & chemical properties

9.1	Density	± 0.9 g/cc
9.2	Boiling point	Not applicable
9.3	Melting point	40-60 °C
9.4	Evaporation rate	Not determined
9.5	Vapour pressure	Not determined
9.6	Molecular weight	Not determined
9.7	Appearance & colour	Soft blue Wax
9.8	Odour threshold	Characteristic
9.9	Solubility	negligible
9.10	pH	not applicable
9.11	Viscosity	no data available
9.12	Other information	

Section 10. Stability & reactivity

10.1	Stability	:Stable under normal conditions of use. See also section 10.5
10.2	Hazardous Decomposition products	: Cox
10.3	Hazardous polymerization	: Will not occur.
10.4	Conditions to avoid	: Keep away from heat and sources of ignition. See also section 7, Handling and storage
10.5	Incompatible substances	



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Section 11. toxicological information

11.1	Toxicity data: ATE Dermal: >5000 ; ATE Oral: >10000 ; ATE Vapour: >20 Mixture: Not classified (Based on available data, the classification criteria are not met.)	
11.2	Acute toxicity : Not classified (Based on available data, the classification criteria are not met.)	
11.3	Chronic toxicity : Not classified (Based on available data, the classification criteria are not met.)	
11.4	Suspected toxicity : Not classified (Based on available data, the classification criteria are not met.)	
11.5	Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met.)	
	Mutagenicity	Not classified (Based on available data, the classification criteria are not met.)
	Embryo toxicity	Not classified (Based on available data, the classification criteria are not met.)
	Teratogenicity	Not classified (Based on available data, the classification criteria are not met.)
	Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met.)
11.6	Irritancy of product : See section 2.3	
11.7	Biological exposure indices : ND	
11.8	Physician recommendations : Treat symptomatically	
11.9	Additional information	

Section 12. Ecological information

12.1	Environmental stability : NA
12.2	Effect on plants & animals : NA
12.3	Effect on aquatic life : This preparation has not been subject to ecological testing as an entity; therefore no specific data has been generated. The ecological information available relating to the ingredients and their concentrations enables the evaluation of this preparation. For further information see sections 2,15 & 16. Avoid contaminating the earth as well as surface and ground water.

Section 13. Disposal consideration

13.1	Waste Disposal : The product should be disposed of in accordance to local regulations. Avoid disposing into drainage systems and into the environment. The soiled packaging should be disposed of in the same way as the product.
13.2	Special Considerations : NA



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Section 14. Transportation information

The basic description (ID number, proper shipping name, hazard class & division, packing group) is shown for each mode of transport. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, TDGR, SCT and ADGR

14.1	49 CFR (GND) : Not Regulated
14.2	IATA (AIR) : Not Regulated
14.3	IMDG (OCN) : Not Regulated
14.4	TDGR (Canadian GND) : Not Regulated
14.5	ADR/RID (EU) : Not Regulated
14.6	Mexico (SCT) : Not Regulated
14.7	ADGR (AUS) : Not Regulated

Section 15. regulatory information

15.1	U.S EPA SARA reporting requirements : This product does not contain any substances subject to the reporting requirements of Section 313 of SARA Title III or 40 CFR Part 373.
15.2	U.S EPA SARA Threshold planning quantity : NA
15.3	U.S EPA TSCA Inventory Status : All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.
15.4	U.S EPA CERCLA reportable quantity (RQ) : NA
15.5	Other U.S Federal Requirements : This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.
15.6	Other regulations :
15.7	U.S State regulatory Information : None of the components in this product are found on any state criteria lists. None of the components in this product are listed on the California Prop 65 lists.
15.8	67/548/EEC (European Union) and Australia NOHSC:2011 (2003) requirements : This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC. : None Authorisations : Not applicable National regulations DE: WGK : Nwg NL: ABM : 11 - - B Weinig schadelijk voor in het water levende organismen NL :NeR (Nederlandse emissie Richtlijn) : Organic substances in powdered form



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Section 16. Other information

16.1	Other information: H315 Causes skin irritation. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
16.2	Terms & definitions: Please refer to last page.
16.3	Disclaimers: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.
16.4	Prepared for: Dunelm
16.5	Company full address: Dunelm (Soft Furnishings) Ltd Watermead Business Park, Syston, Leicestershire, LE7 1AD

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

General information

CAS No.	Chemical abstract service number
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Exposure limits in the air

ACGIH	American conference on governmental industrial hygienists
TLV	Threshold limit value
OSHA	U.S occupational safety and health administration
PEL	Permissible exposure limit
IDLH	Immediately dangerous to life and health

Frist Aid measures












CPR	Cardiopulmonary resuscitation- method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
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Hazardous materials identification systems: HMISH

Health, Flammability & reactivity ratings

0	Minimal Hazard		Hazard rating
1	Slight Hazard	HEALTH	
2	Moderate Hazard	FLAMMABILITY	
3	Severe Hazard	PHYSICAL HAZARDS	
4	Extreme Hazard	Personal Protection	

Personal Protection Ratings:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P for special handling directions.

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Personal Protection ratings:



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Safety glasses	Gloves	Face shield & eye protection	Splash goggles	Synthetic Apron	Full suit	Boots	Airline Hood/mask	Full face respirator	Vapor respirator	Dust & vapor respirator
		Note: The dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.								

Flammability limits in air

Auto ignition temperature	Minimum temperature required to initiate combustion in air with no other source of ignition.
LEL	Lower explosive limit- lowest percent of vapour in air, by volume that will explode or ignite in the presence of an ignition source.
UEL	Upper explosive limit- highest percent of vapour in air, by volume, that will explode or ignite in the presence of an ignition source.

Other Standard abbreviations:

NA	Not available
NR	No results
NE	Not established
NF	Not found
ND	Not determined
ML	Maximum limit
SCBA	Self- contained breathing apparatus

Definitions of terms

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National fire protection association: NFPA

Hazard ratings



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0	Minimal Hazard	
1	Slight Hazard	
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	
W_	Use no water	
OX	Oxidizer	

Toxicological information

LD 50	Lethal dose (solids & liquids) which kills 50% of the exposed animals
LC 50	Lethal concentration (gases) which kills 50% of the exposed animals
ppm	Concentration expressed in parts of material per million parts
TD 10	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD10, LD10 & LD0 or TC, TC0, LC10, & LC0	Lowest dose (or Concentration) to cause lethal or toxic effects
IARC	International agency for research on cancer
NTP	National toxicology program
RTECS	Registry of toxic effect chemical substances
BCF	Bio concentration factor
TLm	Median threshold limit
Log Kow or Log Koc	Coefficient of oil/water distribution

Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

Regulatory information	
CPR	Canada's controlled product regulations
DOT	U.S. Department of transport
EPA	U.S Environmental protection agency
EU	European Union (European union directive 67/548/EEC)



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DSL	Canadian domestic substance list
MAK	Mandat und die arbeitsweise der commission (work ares commission)
NDSL	Canadian non- domestic substance list
NOHSC	National occupational health & safety code (Australia)
PSL	Canadian Priority substances list
TC	Transport Canada
TSCA	U.S toxic substance control act
WHMIS	Canadian workplace hazardous material information system

EC Information



WHMIS Information

A	B	C	D1	D2	D3	E	F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive