



## MATERIAL SAFETY DATA SHEET

### Section 1 Product Identification

1.1	Product Name -Mercury glass cylinder candle 13cm Astd;
1.2	Chemical Name-Mangolia
1.3	Article number and barcode-30236385; 5054077487269;
1.4	
1.5	Product use-candle
1.6	Supplier's Name-Stalwart home styles
1.7	Supplier's Address-
1.8	Emergency Phone-09810039327 (Mr.gagan (owner))
1.9	Other-

### Section 2 Hazard Identification

2.1	<p>Hazard Identification: <i>The mixture contains no 'Substance of very high concern' (SVHC) as stipulated by the European Chemicals Agency (ECHA). Under Article 57 of the REACH Regulation 1907/2006/EC. The mixture does not meet the criteria for PBT/vPvB mixtures in compliance with Annex XIII of REACH Regulation No additional Hazard known if used properly. 1907/2006/EC.</i></p>					
2.2	Routes of entry	Inhalation		Absorption		Ingestion
2.3	<p>Effects of exposure            Ingestion: may cause vomit sensation.            Eyes: <i>may cause irritation in eyes</i>            Skin May cause an allergic skin reaction            Inhalation: <i>may cause breathing problem</i></p>					
2.4	<p>Symptoms of Over exposure            Ingestion: may cause vomit sensation            Eyes: <i>may cause irritation in eyes</i>            Skin: May cause an allergic skin reaction            Inhalation: problem in breathing</p>					
2.5	<p>Acute Health Effects            Ingestion:N.A            Eyes:N.A            Skin:N.A            Inhalation:N.A.</p>					
2.6	<p>Chronic Health Effects            No dangerous reaction known under conditions of normal use</p>					
2.7	Target organs N.A.					
2.8	Toxicological Properties: no data available					
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.	RTECs No.	EINECS No.	%	Exposure Limits in Air (mg/m <sup>2</sup> )								
					ACGIH		NOHSC			OSHA			Other
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	TLV	STEL	IDLH	
<i>mangolia</i>													

## Section 4 First Aid Measures

4.1	<p><b>Frist Aid:</b></p> <p><b>Ingestion:</b> <i>Do not induce vomiting; call for medical help immediately</i></p> <p><b>Eyes:</b> <i>Rinse opened eye for several minutes under running water</i></p> <p><b>Skin:</b> <i>Immediately wash with water and soap and rinse thoroughly</i></p> <p><b>Inhalation:</b> <i>Supply fresh air and to be sure call for a doctor</i></p>
4.2	<p><b>Medical Conditions aggravated by expose:</b> <i>If health disorder happens, call for medical help immediately. Immediately remove any clothing soiled by the product</i></p>

## 5. Firefighting Measures

5.1	<p><b>Flashpoint &amp; method:</b> <i>Wear self-contained respiratory protective device; Cool endangered receptacles with water spray; Dispose of fire debris and contaminated fire fighting water in accordance with official regulations</i></p>					
5.2	<p><b>Auto-ignition Temperature:</b> N.A.</p>					
5.3	<table border="1"> <tr> <td>Flammability limits</td> <td>Lower explosive limit (LEL)</td> <td>N.A.</td> <td>Upper explosive limit (UEL)</td> <td>N.A.</td> </tr> </table>	Flammability limits	Lower explosive limit (LEL)	N.A.	Upper explosive limit (UEL)	N.A.
Flammability limits	Lower explosive limit (LEL)	N.A.	Upper explosive limit (UEL)	N.A.		
5.4	<p><b>Extinguishing methods:</b> <i>Suitable extinguishing agents: CO<sub>2</sub>, alcohol resistant foam, powder, water spray.</i></p> <p><b>For safety reasons unsuitable extinguishing agents:</b> <i>Water with full jet</i></p>					
5.5	<p><b>Firefighting Procedures:</b> <i>Wear self-contained respiratory protective device</i></p> <p><b>Additional information:</b> <i>Cool endangered receptacles with water spray.</i></p> <p><i>Collect contaminated fire fighting water separately. It must not enter the sewage system.</i></p> <p><i>Dispose of fire debris and contaminated fire fighting water in accordance with official regulations</i></p>					



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### Section 6. Accidental release measures

6.1	Spills: <i>Keep ignition source away, do not smoke and avoid flames;</i>
6.2	Any other forms of release: <i>Do not allow to penetrate the ground/soil. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water</i>

### Section 7. Handling & storage information

7.1	Work & Hygiene practices: <i>Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care</i>
7.2	Storage & handling: <i>Avoid naked flames, sparking and sources of ignition</i>
7.3	Special precautions: <i>Ensure that workrooms are adequately ventilated</i>
7.4	Additional Information: <i>Do not eat, drink or smoke while working.</i>

### Section 8. Exposure controls & personal protection

8.1	Ventilation & engineering controls:			
8.2	Respiratory protection <i>Suitable respiratory protection: filter class A2 (brown colour). Use the rules for application of respiratory protection systems</i>			
8.3	Eye protection <i>Tightly sealed goggles according to EN 166:2001</i>			
8.4	Hand protection <i>Preventive skin protection by use of skin-protecting agents is recommended</i>			
8.5	Body protection <i>Protective work clothing</i>	<b>HEALTH</b>		
		<b>FLAMMABILITY</b>		
		<b>PHYSICAL HAZARDS</b>		
		<b>SPECIAL EQUIPMENT</b>		



## MATERIAL SAFETY DATA SHEET

### Section 9. Physical & chemical properties

9.1	Density	N.A.
9.2	Boiling point	N.A.
9.3	Melting point	N.A.
9.4	Evaporation rate	N.A.
9.5	Vapour pressure	N.A.
9.6	Molecular weight	
9.7	Appearance & colour	<i>Colourless to pale yellow</i>
9.8	Odour threshold	N.A.
9.9	Solubility	<b>Water</b> -: <i>Insoluble</i> <b>Alcohol</b> : <i>Soluble</i>
9.10	pH	N.A.
9.11	Viscosity	02
9.12	Other information	


### Section 10. Stability & reactivity

10.1	Stability: <i>The product is chemically stable.</i>
10.2	Hazardous Decomposition products: <i>No decomposition if used according to the specifications or under recommended conditions of use</i>
10.3	Hazardous polymerization: <i>No dangerous reactions known</i>
10.4	Conditions to avoid <i>Avoid important temperature changes and humid environments. Product is not self igniting; but in case of unpropitious storing conditions (air admission, heat accumulation) self ignition is possible for moistened solids (e.g. cloth, pulp, filter panels, binder). May react violently with oxidising agents</i>
10.5	Incompatible substances: <i>No further relevant information available</i>

### Section 11. toxicological information

11.1	Toxicity data: <i>Not Determined</i> Mixture: <i>Not Determined</i>	
11.2	Acute toxicity: <i>Not Determined</i>	
11.3	Chronic toxicity <i>Not Determined</i>	
11.4	Suspected toxicity <i>Not Determined</i>	
11.5	Reproductive toxicity <i>Not Determined</i>	
	Mutagenicity <i>Not Determined</i>	
	Embryo toxicity <i>Not Determined</i>	

	Teratogenicity <i>Not Determined</i>	
	Reproductive toxicity <i>Not Determined</i>	
11.6	Irritancy of product <i>Not Determined</i>	
11.7	Biological exposure indices <i>Not Determined</i>	
11.8	Physician recommendations <i>Not Determined</i>	
11.9	Additional information <i>Not Determined</i>	

	<b>MATERIAL SAFETY DATA SHEET</b>
<b>Section 12. Ecological information</b>	

12.1	Environmental stability <i>Not Determined</i>
12.2	Effect on plants & animals <i>Not Determined</i>
12.3	Effect on aquatic life <i>Not Determined</i>

<b>Section 13. Disposal consideration</b>
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13.1	Waste Disposal <i>Dispose of in accordance with all federal, state and local environmental regulations</i>
13.2	Special Considerations recycling is preferred to disposal or burning

<b>Section 14. Transportation information</b>
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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	<b>49 CFR (GND)</b> <i>Not Regulated</i>
14.2	<b>IATA (AIR)</b> <i>Not Regulated</i>
14.3	<b>IMDG (OCN)</b> <i>Not Regulated</i>
14.4	<b>TDGR (Canadian GND)</b> <i>Not Regulated</i>
14.5	<b>ADR/RID (EU)</b> <i>Not Regulated</i>
14.6	<b>Mexico (SCT)</b> <i>Not Regulated</i>
14.7	<b>ADGR (AUS)</b> <i>Not Regulated</i>

<b>Section 15. regulatory information</b>
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15.1	U.S EPA SARA reporting requirements : no data available
15.2	U.S EPA SARA Threshold planning quantity: no data available
15.3	U.S EPA TSCA Inventory Status: no data available
15.4	U.S EPA CERCLA reportable quantity (RQ) : no data available
15.5	Other U.S Federal Requirements: no data available
15.6	Other regulations <i>Comply with the rules and regulations of skin protection</i>
15.7	U.S State regulatory Information: no data available

15.8	67/548/EEC (European Union) and Australia NOHSC:2011 (2003) requirements <i>The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials</i>
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	<b>MATERIAL SAFETY DATA SHEET</b>
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### Section 16. Other information

16.1	Other information:
16.2	Terms & definitions: Please refer to last page.
16.3	Disclaimers:
16.4	Prepared for: dun elm
16.5	Company full address:

	<b>MATERIAL SAFETY DATA SHEET</b>
<b>Definitions of terms</b>	













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

<b>General information</b>			
CAS No.	Chemical abstract service number <i>UIL 139423</i>		
<b>Exposure limits in the air</b>			
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		
<b>Frist Aid measures</b>			
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.		
<b>Hazardous materials identification systems: HMISH</b>			
<b>Health, Flammability &amp; reactivity ratings</b>			
0	Minimal Hazard		Hazard rating
1	Slight Hazard	<b>HEALTH</b>	
2	Moderate Hazard	<b>FLAMMABILITY</b>	
3	Severe Hazard	<b>PHYSICAL HAZARDS</b>	
4	Extreme Hazard	Personal Protection	
<b>Personal Protection Ratings:</b>			
A		G	
B		H	
C		I	
D		J	
E		K	
F	 applicable	X	Consult your supervisor or S.O.P for special handling directions.

	<b>MATERIAL SAFETY DATA SHEET</b>
<b>Definitions of terms</b>	

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

**Personal Protection ratings:**

										
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**

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

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

**MATERIAL SAFETY DATA SHEET****Definitions of terms**

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**National fire protection association: NFPA**

**Hazard ratings**

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

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









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<b>Definitions of terms</b>	

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









<b>Regulatory information</b>	
<b>CPR</b>	Canada's controlled product regulations
<b>DOT</b>	U.S. Department of transport
<b>EPA</b>	U.S Environmental protection agency
<b>EU</b>	European Union (European union directive 67/548/EEC)
<b>DSL</b>	Canadian domestic substance list
<b>MAK</b>	Mandat und die arbeitsweise der commission (work ares commission)

<b>NDSL</b>	Canadian non- domestic substance list
<b>NOHSC</b>	National occupational health & safety code (Australia)
<b>PSL</b>	Canadian Priority substances list
<b>TC</b>	Transport Canada
<b>TSCA</b>	U.S toxic substance control act
<b>WHMIS</b>	Canadian workplace hazardous material information system

### EC Information Xi

							
<b>C</b>	<b>E</b>	<b>F</b>	<b>N</b>	<b>O</b>	<b>T+</b>	<b>Xi</b>	<b>Xn</b>
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

### WHMIS Information D2

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