

### **Section 1 Product Identification**

| 1.1 | Product Name -Mercury glass cylinder cndle 13cm Astd |
|-----|--|
| 1.2 | Chemical Name-vanilla                                |
| 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                          |
| 1.9 | Other-   |

## **Section 2 Hazard Identification**

| 2.1       | Hazard Identification: The mixture contains no 'Substance of very hig 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. |  |                   |                      |           |  |
|-----------|---|--|-------------------|----------------------|-----------|--|
| 2.2       | Routes of entry   | Inhalation                                       |                   | Absorption           | Ingestion |  |
| 2.3       | Effects of exposure Ingestion: may cause vomit sensation. Eyes: may cause irritation in eyes Skin May cause an allergic skin reaction Inhalation: may cause breathing problem   |  |                   |                      |           |  |
| 2.4       | Symptoms of Ove<br>Ingestion: may ca<br>Eyes: may cause irrito<br>Skin: May cause a<br>Inhalation: proble   | use vomit sen<br>tion in eyes<br>n allergic skin | reaction          |                      |           |  |
| 2.5       | Acute Hearth Effe<br>Ingestion:N.A<br>Eyes:N.A<br>Skin:N.A<br>Inhalation:N.A.   |  |                   |                      |           |  |
| 2.6       | Chronic Health  |  | der conditions    | of normal use        |           |  |
| 2.7       | Target organsN.A.   |  |                   |                      |           |  |
| 2.8       | Toxicological Properties: no data available   |  |                   |                      |           |  |
| NA= Not A | vailable ND= Not Deterr   | nined NE= Not E                                  | stablished NF = I | Not Found C= Celling | Limit     |  |



### **Section 3 Composition& Ingredient Information**

| Chemical                 | CAS | RTECs | EINECS | % | Ехро | Exposure Limits in Air (mg/m2) |            |             |             |     |      |      |       |
|--------------------------|-----|-------|--------|---|------|--------------------------------|------------|-------------|-------------|-----|------|------|-------|
| Name(s)                  | No. | No.   | No.    |   | ACG  | Н                              | NOH        | SC          |             | OSH | Α    |      | Other |
|                          |     |       |        |   | ppm  |                                | ppm        |             | ppm         |     |      |      |       |
|                          |     |       |        |   | TLV  | STEL                           | ES-<br>TWA | ES-<br>STEL | ES-<br>PEAK | TLV | STEL | IDLH |       |
| CDL/ASI-<br>X746735/MOD4 |     |       |        |   |      |                                |            |             |             |     |      |      |       |
|                          |     |       |        |   |      |                                |            |             |             |     |      |      |       |
|                          |     |       |        |   |      |                                |            |             |             |     |      |      |       |

#### **Section 4 First Aid Measures**

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

### 5. Firefighting Measures

| 5.1 | Flashpoint & method: 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 |   |               |                                |             |
|-----|---|---|---------------|--------------------------------|-------------|
| 5.2 | Auto-ignitionTemper   | ature: N.A.   |               |                                |             |
| 5.3 | Flammability limits   | Lower explosive limit (LEL)   | N.A.          | Upper explosive limit (UEL)    | N.A.        |
| 5.4 | water spray.  | nethods: Suitable extinguunsuitable extinguunsuitable extinguishing a |               | rs: CO2, alcohol resistant for | am, powder, |
| 5.5 | Firefighting Procedur   | es: Wear self-contained re  | espiratory pr | otective device                |             |
|     |   |   |               |                                |             |

Additional information: Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations



### **Section 6. Accidental release measures**

| 6.1 | Spills: Keep ignition source away, do not smoke and avoid flames;  |
|-----|--|
| 6.2 | Any other forms of release: 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   |

# Section 7. Handling & storage information

| 7.1 | Work & Hygiene practices: 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 |
|-----|--|
| 7.2 | Storage & handling: Avoid naked flames, sparking and sources of ignition   |
| 7.3 | Special precautions: Ensure that workrooms are adequately ventilated   |
| 7.4 | AdditionalInformation:   |
|     | Do not eat, drink or smoke   |
|     | while working.   |
|     |  |
|     |  |

# Section 8. Exposure controls & personal protection

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



# 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  | Vapourpressure     | N.A.                                |
| 9.6  | Molecular weight   |                                     |
| 9.7  | Appearance& colour | Colourless to pale yellow           |
| 9.8  | Odour threshold    | N.A.                                |
| 9.9  | Solubility         | Water -: Insoluble Alcohol: Soluble |
| 9.10 | рН                 | N.A.                                |
| 9.11 | Viscosity          | 02                                  |
| 9.12 | Other information  |                                     |

# Section 10. Stability & reactivity

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

### Section 11. toxicological information

| 11.1 | Toxicity data: Not Determined        |
|------|--------------------------------------|
|      | Mixture: Not Determined              |
| 11.2 | Acute toxicity: Not Determined       |
| 11.3 | Chronic toxicity Not Determined      |
| 11.4 | Suspected toxicity Not Determined    |
| 11.5 | Reproductive toxicity Not Determined |
|      | Mutagenicity Not Determined          |
|      | Embryo toxicity Not Determined       |

|      | Teratogenicity Not Determined              |
|------|--|
|      | Reproductive toxicity Not Determined       |
| 11.6 | Irritancy of product Not Determined        |
| 11.7 | Biological exposure indices Not Determined |
| 11.8 | Physician recommendations Not Determined   |
| 11.9 | Additional information Not Determined      |



### **Section 12. Ecological information**

| 12.1 | Environmental stability Not Determined    |
|------|---|
| 12.2 | Effect on plants & animals Not Determined |
| 12.3 | Effect on aquatic life Not Determined     |

### Section 13. Disposal consideration

| 13.1 | Waste Disposal Dispose of in accordance with all federal, state and local environmental regulations |
|------|---|
| 13.2 | Special Considerations recycling is preferred to disposal or burning                                |
|      |   |

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

## Section 15. regulatory information

| 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 Comply with the rules and regulations of skin protection |
| 15.7 | U.S State regulatory Information: no data available                        |

| 15.8 | 67/548/EEC (EuropeanUnion) and Australia NOHSC:2011 (2003) requirements The product               |
|------|---|
|      | has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials |



### 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:                           |  |
|      |   |  |



## **MATERIAL SAFETY DATA SHEET**

#### **Definitions of terms**

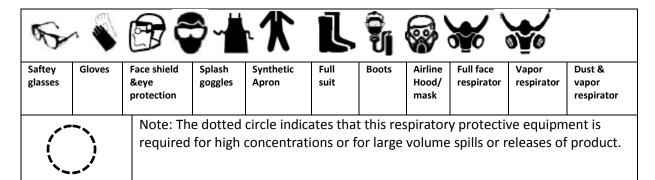
| Gene    | ral information   |            |  |        |
|---------|---|------------|--|--------|
| CAS No  | CAS No. Chemical abstract service number <i>UIL139585</i> |            |  |        |
| Expos   | ure limits in the air                                     |            |  |        |
| ACGIH   | American conference on gove                               | ernmental  | industrial hygienists  |        |
| TLV     | Threshold limit value                                     |            |  |        |
| OSHA    | U.S occupational safety and h                             | ealth adm  | inistration  |        |
| PEL     |   |            |  |        |
| IDLH    | Immediately dangerous to life                             | e and heal | th   |        |
| Frist / | Aid measures  |            |  |        |
| CPR     | Cardiopulmonary resuscitatio                              | n- method  | d in which a person whose hear                               | t has  |
|         | ·   |            | ssions and breathing to circulat                             |        |
|         | and provide oxygen to the bo                              |            | -  |        |
| Hazaı   | dous materials identification syste                       |            | NISH   |        |
|         | Flammability & reactivity ratings                         |            |  |        |
| 0       | Minimal Hazard  |            | Hazard   | rating |
| 1       | Slight Hazard   | HEA        | ALTH   |        |
| 2       | Moderate Hazard   | FLA        | MMABILITY  |        |
| 3       | Severe Hazard   | PHY        | SICAL HAZARDS  |        |
| 4       | Extreme Hazard  | Per        | Personal Protection  |        |
|         | 1   | 1 L        | -  |        |
| Person  | al Protection Ratings:                                    |            |  |        |
| A       | \$  | G          | S & 360  |        |
| В       | <b>∞</b> •  | Н          |  |        |
| С       | Some with   | I          | S № 0%   |        |
| D       | <b>№ №</b>  | J          |  |        |
| E       | <b>∞ ♦</b>  | К          | So X L   | •      |
| F       | applicable  | х          | Consult your supervisor or S.O. special handling directions. | P for  |



**Definitions of terms** 

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

#### **Personal Protection ratings:**



| Flammability limits in air |   |  |
|----------------------------|---|--|
| Auto ignition              | Minimum temperature required to initiate combustion in air with no other source     |  |
| temperature                | 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 |



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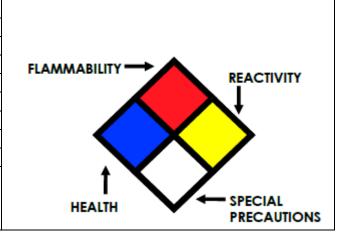
#### **Definitions of terms**

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National fire protection association: NFPA

**Hazard ratings** 

| 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    |
| ОХ  | Oxidizer        |
|     |                 |
|     |                 |
| 1   |                 |



| Toxicolo              | 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  |  |
| TCL <sub>0</sub>      | Lowest concentration to cause a symptom                               |  |
| TD10,                 | Lowest dose (or Concentration) to cause lethal or toxic effects       |  |
| LD <sub>10</sub> &    |   |  |
| LD <sub>0</sub> or    |   |  |
| TC, TC <sub>0</sub> , |   |  |
| LC10, &               |   |  |
| LC <sub>0</sub>       |   |  |
| 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               | Coefficient of oil/water distribution                                 |  |
| or Log Koc            |   |  |



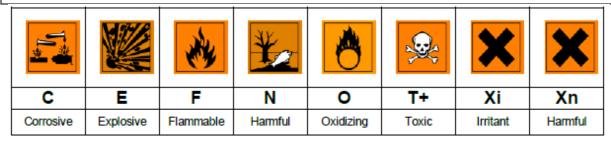
### **Definitions of terms**

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)              |
|-------|---|
| 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 Xi**



### **WHMIS Information D2**

