

# Material Safety Data Sheet (MSDS)

## Candles

Date: Nov 30, 2016

### Section 1 - Identification of the substance / preparation and of the company/undertaking

**Product name:** Candle

**Applicant:**

**Address:**

**Tel:**

**Fax:**

**E-mail:**

**Emergency Tel Number:**

**Importer:** Paul Stricker, SA – Portugal

**Your reference:** 95817.05 – CANDLE HEART

### Section 2- Hazards Identification

#### Classification of the substance or mixture

Not a dangerous substance according to GHS

This substance is not classified as dangerous according to Directive 67/548/EEC

#### Label elements

The products does not need to be labeled in accordance with EC directive or respective national laws.

**Other hazards:** No information available

### Section 3 – Composition / Information on Ingredient

#### Chemical composition

Component	CAS No.	Formula	Composition	EC No	Classification	GHSCLAS
Paraffin wax	8002-7402	/	100%	232-315-6	/	/

## **Section 4 – First Aid Measures**

### **Description of the first measures**

**Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lift the upper and lower eyelids. Get medical attention if irritation occurs.

**Skin Contact:** immediately wash skin with soap and copious amounts of water while removing contaminated clothing and shoes. If irritation develops and persists, seek medical attention.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Wash out mouth with water. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Inhalation:** Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt, or waistband. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If irritation develops and persists, seek medical attention.

**Notes to Physician:** Treat symptomatically.

## **Section 5 – Fire-Fighting Measures**

### **Extinguishing media**

#### **Suitable Extinguishing Media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### **Special hazards arising from the substance or mixture:**

Flammable / combustible material. Keep product and empty container away from heat and sources of ignition. Thermal burns are the main hazards approach.

#### **Advice for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **Section 6 – Accidental Release Measures**

### **Personal precautions, protective equipment and emergency procedures:**

If packages rupture, ensure adequate ventilation. Use personal protective equipment.

Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Spilled or released at long industrial condition: remove ignition sources. Keep away from heat and flame, evacuate area. Avoid dust formation. Avoid breathing dust, vapour, smoke. Shut off source of the leak only if it is easy to do so. Do not get water inside containers.

**Environmental precautions:** do not let product enter drains.

#### **Methods and materials for containment and cleaning up**

Sweep up and place in suitable containers for recycle or disposal according to local / national regulations. Keep in suitable, closed containers for disposal.

### **Section 7 – Handling and storage**

#### **Precautions for safe handling**

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust, vapor, mist or gas. Avoid physical damage to the container. Ground and bond containers when transferring material. Take necessary action to avoid static electricity discharge. Do not eat, drink or smoke while handling the product. Keep away from heat. Keep away from sources of ignition. Normal measures for preventive fire protection.

#### **Conditions for safe storage, including any incompatibilities**

Keep away from heat and flame. Keep away from sources of ignition. Store in a cool, dry well-ventilated away from incompatible substances. Store in a tightly closed container. Workplace ban on smoking. Keep out of the reach of children.

**Specific end uses:** No data available

### **Section 8 – Exposure Control / Personal Protection**

#### **Control Parameters**

##### **Exposure limits:**

CAS# 802-74-2:

ACGIH: TLV-TWA: 2mg/m<sup>3</sup>

NIOSH: REL-TWA: 2mg/m<sup>3</sup>

Australia-TWA: 2mg/m<sup>3</sup> (fume)

Belgium-TWA: 2mg/m<sup>3</sup> (fume)

Denmark-TWA: 2mg/m<sup>3</sup>

Finland-TWA: 1mg/m<sup>3</sup> (fume)

France-VME: 2mg/m<sup>3</sup> (fume)

Korea-TWA: 2mg/m<sup>3</sup>

Mexico-TWA: 2mg/m<sup>3</sup> (fume); STEL: 6mg/m<sup>3</sup>  
Netherlands-MAC-TGG: 2mg/m<sup>3</sup> (fume)  
New Zealand-TWA: 2mg/m<sup>3</sup> (fume)  
Norway -TWA: 2mg/m<sup>3</sup> (fume);  
United Kingdom-TWA: 2mg/m<sup>3</sup> (fume); STEL: 6mg/m<sup>3</sup>

### **Engineering Controls:**

Facilities Storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### **Personal protective equipment**

Eyes Protection: Wear safety glasses and chemical goggles if handling molten material.

Skin Protection: Wear heat resistant gloves, apron, and/or clothing for the handling of molten materials.

**Body Protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Respirators Protection:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or in imitation or other symptoms are experienced.

**Other Protection:** Do not eat, smoke drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. To maintain good health habits.

## **Section 9 – Physical and Chemical Properties**

<b>Appearance:</b>	Form: Solid Color: different color
<b>Odour:</b>	no odour:
<b>Odour Threshold:</b>	no data available
<b>PH:</b>	no data available
<b>Melting point / freezing point:</b>	60-65 <sup>0</sup> C
<b>Initial boiling point and boiling range:</b>	>300 <sup>0</sup> C
<b>Flash point:</b>	no data available
<b>Evaporation rate:</b>	no data available
<b>Flammability (solid, gas):</b>	no data available
<b>Upper/lower flammability or explosive limits:</b>	no data available
<b>Vapour pressure:</b>	no data available
<b>Vapour density:</b>	no data available
<b>Relative density:</b>	no data available
<b>Water solubility:</b>	insoluble
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Autoignition temperature:</b>	no data available
<b>Decomposition temperature:</b>	no data available

**Viscosity:**

no data available

## **Section 10 – Stability and Reactivity**

**Reactivity:** No data available

**Chemical Stability** Stable under normal conditions

### **Possibility of hazardous reactions**

Hazardous Polymerization will not occur.

Hazardous reactions none under normal processing.

**Conditions to avoid:** incompatible materials. Ignition sources, excess heat.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** may produce irritating and toxic fumes and gases.

## **Section 11 – Toxicological Information**

### **Information on toxicological effects**

#### **Acute toxicity:**

CAS# 802-74-2:

Oral, rat: LD50=3750 mg/kg

Skin, rabbit: LD50=3600 mg/kg

#### **Skin Corrosion / Irritation**

CAS# 8002-74-2: Skin – Rabbit – Mild skin irritation (500 mg / 24 hour)

#### **Serious eye damage / eye irritation**

CAS# 8002-74-2: Skin – Rabbit – Mild eye irritation (100 mg / 24 hour)

#### **Respiratory or skin sensitization**

No data available

#### **Germ cell mutagenicity**

No data available

#### **Carcinogenicity**

Paraffin wax – IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

#### **Reproductive toxicity**

No data available

#### **Specific target organ toxicity – single exposure**

No data available

**Aspiration hazard**

No data available

**Potential health effects**

**Eye:** may cause mild eye irritation. Vapors from molten wax may cause eye irritation.

**Skin:** low hazard for usual industrial handling. Contact with heated material can cause skin burns and irritation.

**Ingestion:** ingestion is unlikely route of exposure; no hazard in normal industrial use. If ingested in sufficient quantity may cause injury such as gastrointestinal disturbances. May be a choking hazard.

**Inhalation:** low hazard. Paraffin wax fumes may be irritating to the eyes, nose and throat. And may also produce nausea. However, vapors emitted from molten wax are expected to have a low degree of irritation by inhalation.

**Signs and Symptoms of Exposure**

Poor personal hygiene can lead to wax plugging of skin follicles and producing so-called "Wax Boils". To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Additional information**

**RTECS#** CAS# 8002-74-2: RV0350000

**Section 12 – Ecological Information**

**Toxicity:** no data available

**Persistence and degradability:** no data available

**Bioaccumulative potential** no data available

**Mobility in soil:** no data available

**Results of PBT and vPvB assessment** no data available

**Other adverse effects** do not empty into drains.

**Section 13 – Disposal Considerations****Waste treatment methods**

**Waste from Residues / Unused Products:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally,

waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**Contaminated packaging:** Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

#### **Section 14 – Transport Information**

	IATA	IMDG	RED/ADR
<b>Proper shipping name</b>	Not regulated	Not regulated	Not regulated
<b>Hazard class</b>	/	/	/
<b>UN number</b>	/	/	/
<b>Packing group</b>	/	/	/

#### **Section 15 – Regulatory Information**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

##### **Safety, health and environmental regulations / Legislation specific for the substance or mixture**

No data available

**Canada:** CAS # 8002-74-2 is listed on Canada's DSL List.

**US Federal** Toxic Substance Control Act (TSCA)  
CAS # 8002-74-2 is listed on the TSCA inventory.

#### **Section 16 – Additional Information**

**Data Sheet (MSDS) creation date: June 1, 2015**

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Other information:

ACGIH: (American conference of Governmental Industrial Hygienists); CAS: (Chemical Abstracts Service); DSL: (the Domestic Substances List of Canada); EC: (European Commission); IARC: (International Agency for Research on Cancer); IATA:

(International Air Transport Association); IMDG: (International Maritime Dangerous Goods); ADR: (European Agreement Concerning the International Carriage of Dangerous Goods by Road); RID: (Regulations concerning the International Carriage of Dangerous Goods by Rail); LD50: (Lethal Dose, 50 percent kill); NDSL: (the Non-domestic Substances List of Canada); NIOSH: (US National Institute for Occupational Safety and Health); NTP: (US National Toxicology Program); OSHA: (US Occupational Safety and Health); PEL: (Permissible Exposure Level); REL: (Recommended Exposure Limit); RTECS: (Registry of Toxic Effects of Chemical Substances); STEL: (Short Term Exposure Limit); TDG: (Recommendations on the Transport of Dangerous Goods Model Regulations); TSCA: (Toxic Substances Control Act of USA); TWA: (Time Weighted Average); TLV: (threshold Limit Value).



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