

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) amended by
Commission Regulation (EU) 2020/878 with respect to SDSs

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1. Product Identifier

Product Name

TERRAWAX E7411, E7411P

Product Description

Rapeseed and paraffin wax blend

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use

Production of pillar candles

1.3. Details of the supplier of the safety data sheet

Company

Evricom Ltd.

Address

168 Tzar Ivan Asen II Str, 6000, Stara Zagora, Bulgaria

Telephone

+ 359 42 692 900

Email

office@evricom.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance / mixture

Classification according to Regulation (EC) No 1272 / 2008 (CLP) - this product does not meet the criteria for classification in any hazard class on classification, labelling and packaging of substance and mixture.

2.2. Label elements

Classification according to Regulation (EC) No 1272 / 2008 (CLP) - not a hazardous substance / mixture.

Signal word

Not required.

Nature of hazard

Hazard statements

Hazard labeling is not required.

Safety precautions

Hazard components for labelling

Special provisions concerning the labelling of certain mixtures

2.3. Other hazards

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

This material is identified as a mixture.

3.2. Mixtures

Mixture of saturated and unsaturated fatty acids and hydrocarbons. This mixture contains no substances classified according to Regulation (EC) No 1278/2008 as hazardous or required reporting in the current section.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

None expected at ambient temperature. Inhalation of fumes or oil mist produced at high temperature may cause irritation on respiratory track. Move the victim to an open-air space and keep him/her at rest in a position comfortable for breathing. Consult a doctor. Wash the skin with water and soap, then rinse carefully. In case of contact and/or solidification of the melted product on the skin, ask for medical assistance if burns are present.

Skin contact

Eye contact

Wash immediately and carefully with plenty of water. Check for contact lenses and remove them if safe to do so. Consult a doctor.

Ingestion

Do not induce vomiting. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Significant effects not known. Hot wax may cause burns.

4.3. Indication of any immediate medical attention and special treatment needed

Contact a Poison Control Center immediately if large quantities of product have been ingested or inhaled.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Water. Foam, dry chemical powder, sand or earth.

Unsuitable extinguishing media

Do not use direct water jets on the burning product, they could cause splattering and spread the fire.

5.2. Special hazards arising from the substance / mixture

Hazardous combustion products

5.3. Advice for firefighters

Carbon Monoxide (CO). Do not inhale fire burning products.

Wear self-contained breathing apparatus and protective gloves. Prevent, spillage from entering drains or water courses. Use water delivered as a fine spray to control fire and cool adjacent area. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location

5.4. Further information

Water used to extinguish fire should not enter drainage systems, soil, or stretches of water.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedure

For non-emergency personnel

Wear appropriate personal protective equipment. Use non-slip safety shoes in areas where spills or leaks can occur. Avoid dust formation. Avoid breathing vapors, mist or gas.

For emergency operators

For personal protection see section 8.

6.2. Environmental precautions

Avoid dispersion and outflowing of spilled material in the environment. Prevent the introduction of the product into the sewerage system, rivers, waterways, etc.

6.3. Methods and material for containment and cleaning up

Contain leakage / dispersion to prevent contamination of the sewerage system, of the rivers and of the soil. Suck the spilled product as soon as possible and collect it by using inert absorbent material. Remove the contaminated material and place it in a properly labelled waste container. Proceed to the waste treatment through authorized companies.

6.4. Reference to other sections

See Section 8 for information on appropriate personal protective equipments.
See Section 13 for waste treatment information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective measures

General work hygiene

Wear appropriate personal protective equipments - see Section 8.

It is forbidden eating, drinking and smoking in the areas where this product is handled and stored. Handlers should wash hands before eating, drinking, smoking and using toilets. Remove contaminated clothing and protective equipments before entering in the eating areas. Do not handle the product near open flames, sourced of ignition or heating. Containers which are dirty and/or contain the product must not be pierced, cut, welded or treated with open flames, sources of ignition or heating.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Storage class

Fire class

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

11 – Flammable solids. Keep away from open flame or sources of ignition or heat.

B – Fires involving liquids or liquefiable substances.

7.3. Specific end use

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Ingredients with workplace control parameters

Substance	CAS number	LTEL (8hr TWA mg/m ³)	STEL (15 min TWA mg/m ³)	Source	Note
Paraffin wax, fume	8002-74-2	2	6	WELs, NIOSH, OELs	(EH40)

8.2. Exposure controls

8.2.1. Engineering controls

For molten materials: Provide mechanical ventilation; in general such ventilation should be provided at compounding / converting areas and at fabricating / filling work stations where the material is heated. Local exhaust ventilation should be used over and in the vicinity of machinery involved in handling the molten material. Provide eye shower and label its location conspicuously.

8.2.2. Personal protection equipment

Eye / face protection



Wear protective shield when handling hot material.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection



Handle with gloves.

Gloves must be inspected prior to use. The selected protective gloves should satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. When handling hot or molten protective gloves should also satisfy the DIN EN 407 standard.

Body Protection

Wear protective clothing when handling hot material.



Respiratory protection



8.2.3. Environmental exposure control

Waxes are lubricants, danger of slipping! Wear suitable footwear (antistatic work shoes). When handling hot or molten, wear trousers or overalls outside of boots, to avoid spills entering boots.

Respiratory protection is not required.

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Do not let product enter drains. Emission from ventilation devices or work process equipments should be checked to ensure they comply with the requirements of environmental protection legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form	Solid at ambient temperature
Color	Off-white to yellowish
Odour	Odourless
Melting point (°C)	45 – 65
Viscosity, dynamic (cP)	4,00 – 9,00 at 100°C
Viscosity, kinematic (mm²/s)	5,00 – 10,00 at 100°C
Flash point (°C)	> 200
Evaporation rate	No data available.
Density (g/cm³)	0,700 – 0,900
Solubility (Water)	Insoluble
Solubility (Other)	Organic solvents
Explosive properties	Shall not be classified as explosive

9.2. Other information

The above data are informative, accurate physical-chemical data of the product are specified on the product certificate.

10. STABILITY AND REACTIVITY

10.1. Reactivity	Stable under normal conditions. There are no known reactivity hazards associated with this product.
10.2. Chemical stability	The product is stable under normal conditions and the set handling and storage conditions described in Chapter 7.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to avoid	Keep away from ignition sources and take precautionary measures against electrostatic charges. Avoid dust formation and the raise of dust. Keep away from open fire and flames.
10.5. Incompatible materials and conditions	Strong oxidising agents.
10.6. Hazardous Decomposition Product(s)	Carbon monoxide (CO), carbon dioxide (CO ₂), flammable hydrocarbons.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	None. LD 50 Oral – rat male and female -> 5.000 mg/kg. (OECD)
Skin corrosion/irritation	Not classified.
Serious eye damage/eye irritation	Not classified. Direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness.
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity	Conclusive but not sufficient for classification.
Carcinogenicity	Conclusive but not sufficient for classification.
Reproductive toxicity	No data available.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Vapours may be irritating for people with sensible respiratory tract. High inhaled concentrations of mixed hydrocarbons produces narcosis characterised by nausea, vomiting and lightheadedness.
Ingestion	Not classified.

12. ECOLOGICAL INFORMATION

12.1. Toxicity	Classification according to Regulation (EC) No 1272 / 2008 (CLP) – this product shall not be classified as hazardous to the aquatic environment.
12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	No data available.

12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6. Endocrine disrupting properties	No data available.
12.7. Other adverse effects	Environmental problems should not be expected when the product is handled and used properly.

13. DISPOSAL CONSIDERATION

13.1. Waste treatment methods	When recycling of the product is not possible, disposal to landfill or incineration in accordance with all applicable government laws and regulations is recommended. Disposal according to local authority regulations. Contact licensed waste disposal company.
13.2. Packaging wasting treatment disposal	The generation of waste should be avoided or minimized wherever possible. Contaminated packaging must be emptied of all residues and can be recycled following appropriate cleaning.

14. TRANSPORT INFORMATION

14.1. UN number	Not regulated as a dangerous good.
14.2. UN proper shipping name	Not a dangerous good.
14.3. Transport hazard class(es)	Not a dangerous good.
14.4. Packing group	Not a dangerous good.
14.5. Environmental hazards	ADR/RID: no Marine pollutant: no IATA: no
14.6. Special precautions for user	No supplementary information available.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
14.8. Further Information	Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

Relevant provisions of the European Union (EU) REACH -Candidate List of Substances of Very High Concern for Authorisation (Article 59).	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
--	---

15.2. Chemical safety assessment	A chemical safety assessment has not been carried out for this product.
---	---

16. OTHER INFORMATION

Exposure scenarios: Not required
Prepared by: Evricom Ltd.

CLP	Classification, Labeling and Packaging.
EC	European Community.
PBT	Persistent, Bioaccumulative, and Toxic.
vPvB	Very Persistent and very Bioaccumulative.
CAS	Chemical Abstracts Service.
LTEL	Long-Term Exposure Limit
STEL	Short-Term Exposure Limit
TWA	Time-Weighted Average
WELs	Workplace Exposure Limits.
OELs	Occupational Exposure Limits.
NIOSH	National Institute for Occupational Safety and Health.
EN	European Standard, developed by the European Committee for Standardization.
DIN	German Institute for Standardization.
CEN	European Committee for Standardization.
LD 50	Lethal Dose, 50%.

OECD	Organisation for Economic Co-operation and Development.
CMR	Carcinogenic, Mutagenic, and Reprotoxic.
STOT	Specific target organ toxicity.
UN	United Nations.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
IATA	International Air Transport Association.
MARPOL	International Convention for the Prevention of Pollution from Ships.
IBC CODE	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk.
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. The information in this document is based on the present state of our knowledge and therefore does not represent any guarantee of the properties of the product.
For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.