

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Soy Wax

1. Identification of the substance/mixture and company

Trade name: Soy wax
A vegetable oil based blend specifically developed for the production of candles
INCI Hydrogenated vegetable oil
CAS No. : 68334-28-1
EC No. : 269-820-6
REACH pre-registration No. : Exempted from Registration according to Article 2(7)a of Regulation (EC) No 1907/2006 (amended by Commission Regulation (EC) 987/2008
Utilization: Raw material for candles
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the Substance or Mixture:

Does not contain any components which are hazardous according to DSD [67/548/EC] or CLP Regulation 1272/2008/EC

2.2 Label Elements:

Does not require a hazard warning label in accordance with DSD [67/548/EC] or CLP Regulation 1272/2008/EC

2.3 Other Hazards:

PBT: This product is not identified as a PBT / vPvB substance
Hot liquid may cause thermal burns.

3. Declaration of ingredients

3.1 Substances: N/A

3.2 Mixtures: Saturated and unsaturated vegetable lipids predominantly containing triglycerides, diglycerides and monoglycerides

There are no ingredients present which, within current knowledge, are classified and contribute to the classification of the substance and hence require reporting in this section in accordance with Regulation (EC) No. 1272/2008

4. First aid measures

4.1 Description of First Aid Measures

General Information: Remove contaminated / saturated clothing immediately. In case of accident or illness seek medical advice immediately.

Inhalation: Remove the affected person to fresh air, keep warm and rest. If recovery is not rapid, obtain medical attention.

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Skin Contact: Wash the affected parts of the body with soap and water. No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.

Eye Contact: Flush eyes immediately with fresh water for at least 5 minutes while holding the eyelids open. No emergency measures are necessary but if adverse eye effects follow, refer for medical attention.

Ingestion: Do not induce vomiting. No emergency measures are needed but if adverse health effects follow or large amounts are swallowed, refer for medical attention.

Self-Protection of First Aider: First aider, pay attention to self-protection.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Over-heated oil can produce fumes which may be irritant when breathed in.

Skin Contact: May cause slight irritation to skin.

Ingestion: No known significant effects or critical hazards.

Eye Contact: May cause slight irritation to eyes.

4.3 Indication of any immediate medical attention and special treatment needed

In contact with or splashed by hot liquid:

Skin Contact: Cool the skin immediately with cool water. Treat burns according to their severity. Obtain medical attention. Never try to remove the material with solvents.

Contact with eyes: Cool the area immediately with cold water. Seek advice of an ophthalmologist.

Specific Treatment: First aider, decontamination, treatment of symptoms.

Notes to doctor: Treat symptomatically.

5. Fire fighting measures

5.1 Extinguishing media: Foam, dry chemical, carbon dioxide, water mist.

5.2 Special hazards arising from the substance or mixture: Slight flammability hazard when exposed to heat or flame. During a fire, toxic gases (carbon monoxide, nitrous gases) may be generated by thermal decomposition or combustion.

5.3 Advice for firefighters: Only suitably trained personnel should attempt to tackle fires. Do not stay in the danger zone without respiratory protective equipment and protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Surfaces may become slippery after spillage.

6.2 Environmental precautions: Water may be used to flush spills away from sources of ignition. Do not allow the product to enter public drainage system or open water courses.

6.3 Methods and material for containment and cleaning up: Use Sand or active clay to absorb spilled substance and remove to containers for disposal

6.4 Reference to other Sections: See sections 8 and 13

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7. Handling and storage

7.1 Precautions for safe handling: Avoid skin contact. Avoid inhalation of vapor, mist or fumes. Do not wear contaminated clothing. Avoid contact with the eyes – wear chemical protective goggles when handling the product. Protective clothing such as impervious gloves should be worn if skin contact is anticipated. Protective clothing should be regularly inspected and maintained, discard oil saturated leather articles. The use of barrier and after work creams may be beneficial. Wash hands after working with the material.

7.2 Conditions for safe storage, including any incompatibilities: Keep containers tightly closed. Avoid heat and sources of ignition. Store in original containers or in other mild steel or high density polyethylene containers which are closable and clearly labeled. Clean up any spilled material immediately

7.3 Specific end use(s): This material is formulated for various uses.

8. Exposure controls / personal protection

8.1 Control Parameters:

None specified under normal working conditions. However in all circumstances exposure should be kept as low as reasonably possible by good ventilation and safe working practices.

DNEL Values: - No Data Available

PNEC Values: - No Data Available

8.2 Exposure Controls:

Appropriate engineering measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.

Respiratory protection: Inhalation of the vapor, fumes or mists should be avoided by safe working practices and good ventilation.

Eye protection: Wear appropriate eye goggles.

Skin protection: No special precautions are needed beyond clean working conditions and safe handling practices.

Change heavily contaminated clothing.

Hand protection: Use impervious gloves [conforming to EN374] PVC is suitable for casual contact. If direct contact for more than 2 hours then Neoprene or nitrile gloves recommended.

8.3 Environmental Exposure Controls: See sections 6, 7, 12 and 13.

9. Physical and chemical properties

9.1 Information on basic chemical and physical properties:

Appearance: Liquid at elevated temperature, cream-white solid at ambient temperature

Odor: Neutral

Odor threshold: Not determined

pH: not relevant

Evaporation Point: Not determined

Flammability (solid, gas): May be combustible at high temperature

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Explosion Limits: Not determined
Vapor pressure: Negligible
Vapor density: Not determined
Relative density (at 15°C): 0.89 – 0.92
Solubility in water: <1 mg/l
Solubility in other solvents: vegetable oils
Partition coefficient n-octanol/water: Not determined
Auto-ignition temperature: >200 °C
Decomposition temperature: Not determined
Explosive properties: Not determined
Oxidizing properties: Not determined

9.2 Other Information: None

10. Stability and reactivity

10.1 Reactivity: This product is not reactive under normal storage and handling conditions (see section 7).

10.2 Chemical stability: Under normal storage and handling conditions, this product is stable. May react with strong oxidizing agents, especially at high temperatures.

10.3 Possibility of hazardous reactions: No specific hazardous reactions are expected.

10.4 Conditions to avoid: Extremes of temperature, preferably, store between 5 -30 °C.

10.5 Incompatible materials: May react with strong oxidants (e.g. chlorates, peroxides).

10.6 Hazardous decomposition products: Thermal decomposition or incomplete combustion may produce carbon monoxide, nitrous gases and irritating fumes.

11. Toxicological information

11.1 Information on toxicological effects

CAS No. 68334-28-1 Oils, vegetable, hydrogenated

Acute Toxicity

Acute Toxicity (oral) LD50 >2000mg/kg

Acute Toxicity (dermal) LD50 >2000mg/kg

Acute Toxicity (inhalation) Not volatile. It is not likely to be an inhalation hazard at normal ambient temperatures. If overheated, fumes and vapours are irritating to the breathing passages and lungs.

Skin Corrosive / Irritation: Not Irritant

Serious Eye Damage Irritation: Not Irritant

Respiratory Sensitisation: No data available

Skin Sensitisation: Non sensitising OECD 406

Repeated Dose Toxicity: No data available

Mutagenicity: No data available

Carcinogenicity: No data available

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Reproductive Toxicity: No data available

12. Ecological information

12.1 Toxicity: CAS No 68334-28-1 Oils, vegetable, hydrogenated

Environmental Fate: Not established

Aquatic toxicity (fish): No data available

Aquatic toxicity (algae): No data available

Aquatic toxicity (invertebrate): No data available

Mobility: Data not available

Biodegradation: Expected to be fully biodegradable.

Bioaccumulation potential: Data not available

Other Ecological information: No other adverse effects are observed. Do not allow uncontrolled leakage of product into the environment.

Results of PBT and vPvB assessment: This material does not fulfil the criteria for being classed as a PBT or vPvB substance.

13. Disposal considerations

13.1 Waste treatment methods: Transport to authorized waste location, or incinerate under controlled conditions (EU Directives 2000/76/EC and 1999/31EC apply).

14. Transport information

14.1 UN number: Not Classified.

14.2 UN Proper shipping name: Not Classified

14.3 Transport Hazard Class(es): Not Classified

14.4 Packing Group: Not Classified

14.5 Environmental Hazards: None

14.6 Special Precautions for user: None

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not Classified

15. Regulatory information

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

EU Regulations Directive 67/548/EC.

Regulation [EC] 1272/2008.

Regulation [EC] 1907/2006.

15.2 Chemical Safety Assessment: The supplier has not performed a chemical safety assessment of this substance.

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

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CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE: Short-term exposure.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.