SAFETY DATA SHEET

KERAGREEN CONTAINER SOYBEAN WAX PLATES
Print date: 26 octobre 2023
Revision date: September 21, 2023

Presentation and drafting rules in accordance with Regulation 1907/2006/EC (REACH), (EU) No 2020/878

1. IDENTIFICATION OF PREPAREDNESS AND SOCIETY

Product Identification:

Product Name: Keragreen Soy Wax Container Plaque

General Description: Partially hydrogenated refined vegetable oil.

Chemical Description: Triglycerides

CAS No.: 8016-70-4 EINECS No.: 232-410-2

REACH/CLP Registration Number: Not Registered (Exempt) REACH/CLP Designation: Not Applicable

Identified Relevant Uses of the Substance or Mixture: Industrial Applications.

Thermal decomposition/conditions to be avoided: no risk if used under specified conditions.

Acrolein production is heated to a temperature above 270°C at atmospheric pressure.

Supplier Information:

ADC FRANCE
40 Impasse des Joncs
26780 Malataverne
Phone: +33 (0)4 75 54 35 05
E-mail: contact@adc-solution.com

Emergency telephone number: ORFILA 33 (0)1 45 42 59 59
POISON CONTROL CENTERS:
Paris: 33(0) 1 40 05 48 48 – Angers: 33 (0)2 41 48 21 21 Bordeaux: 33 (0)5 56 96 40 80
Lille: 0 825 812 822 Lyon: 33 (0)3 4 72 11 69 11 Marseille: 33(0) 4 91 75 25 25
Nancy: 33 (0)3 83 32 36 36 Rennes: 33 (0)2 99 59 22 22 Strasbourg: 33 (0)3 88 37 37 37
Toulouse: 33 (0)5 61 77 74 47

Toxicovigilance Centres: GRENOBLE – REIMS – ROUEN

2. HAZARD IDENTIFICATION

2.1.- Classification of the substance or mixture:

Product Definition: Polymer material mixture.

Classification according to Regulation (EU) No 2020/878: Unclassified. Classification according to Directive 67/548/EEC: Not classified.

Classification according to Directive 1999/45/EC: Not classified.

2.2.- Labelling elements:

Not applicable

2.3.- Other hazards:

PBT or vPvB criteria in accordance with Annex XIII of Regulation (EC) No 1907/2006 (REACH).

Based on the data transmitted along the supply chain that we have, of the substances that make up the mixture, we have reported that these substances do not meet the PBT or vPvB criteria of as per Annex XIII.

Other hazards that do not give rise to classification but may contribute to the general hazards of the substance or mixture:

EYES: In solid condition, the product does not pose a health hazard, but it may cause irritation. In the melted state, it can cause severe burns.

CONTACT WITH THE SKIN: In solid state the product does not present a health hazard, even if there is no medical information available, but in some cases (sensitive, intolerant, non-topical people...) it can cause adverse effects such as irritation. In the melted state, the product can cause severe burns.

INHALATION: Inhalation of the substance at room temperature is unlikely. At high temperatures, the substance may produce fumes or vapours that can cause undesirable systemic effects and become irritating to the respiratory tract that can cause dizziness and difficulty breathing.

INGESTION: Low oral toxicity.

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3. COMPOSITION/COMPONENT INFORMATION

3.1.- Substance & 3.2 Mixtures:

General Description: Partially hydrogenated refined vegetable oil.

Chemical Description: Triglycerides

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4. FIRST AID

Do not carry out any activity that involves personal risk or without appropriate training. In the event of any of the contingencies listed below or Don't, call for assistance or medical attention immediately:

4.1. Description of first aid:

EYES:

Solid: If it gets into the eyes, you should remove it as a foreign object. First check if the injured person is not wearing contact lenses, if so, remove them. Afterwards, rinse and wash the eyelids thoroughly, lifting the top and bottom, with plenty of water for 5 minutes. Seek medical assistance as it may cause irritation.

Liquid: If hot product falls on eyes, quickly cool with cold water on the affected area to dissipate heat for at least 5 minutes. Do not attempt to remove the product once solidified without medical assistance.

SKIN CONTACT:

Solid: wash with soap and plenty of water.

Liquid: If the hot product falls on the skin, cool quickly with cold water on the affected area to dissipate the heat for at least 5 minutes. Seek medical assistance. Do not attempt to remove the product once it has solidified. Do not put ice on burns. Carefully remove clothes that are not stuck. Never attempt to remove pieces of clothing that are stuck to the burned skin, but instead cut around it.

INHALATION:

Bring the victim to an uncontaminated area or outside, keep him at rest in a comfortable position to breathe, if the victim is unconscious and breathing, keep him in the lateral emergency position, IF NECESSARY

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administer oxygen. If the victim has difficulty breathing, is unconscious and no longer breathing, ensure that there is no obstacle to breathing, and, if necessary, have artificial respiration provided by persons prepared for it. If necessary, apply cardiac massage. Seek medical assistance.

INGESTION:

Not frequent. Intestinal absorption is very low. Seek medical assistance. Rinse mouth with water. Remove the dentures if possible. Bring the victim to fresh air and keep them at rest in a comfortable position to breathe. If the material has been swallowed and the exposed person is conscious, give them small amounts of water to drink, stop if the person feels sick as vomiting can be dangerous. Do not induce vomiting unless instructed by medical staff.

If vomiting occurs, keep your head down so that the vomit does not enter the lungs. Consult a physician if any or serious health effects persist. If unconscious, place the person in the lateral emergency position and seek immediate medical attention. Ensure good air circulation. Loosen clothing, such as a necklace, tie, belt or belt. Seek medical assistance.

4.2 . Main symptoms and effects, acute and delayed

See Section 2 and Section 11 of this document.

4.3. Indication of any immediate medical care and special treatment required:

There is no specific antidote. Monitor breathing and pulse. Take functional measures according to symptoms, treat symptomatically to relieve any effects. Immediately contact a poisoning specialist if a large amount has been swallowed or inhaled. People with lung disease (previous or not) may be more sensitive to the effects of exposure. When using high-pressure equipment, injection of the product may occur.

4.4.Other information for the doctor:

There is no specific antidote. Take functional measures according to symptoms, symptomatic treatment. Contact a specialist immediately if you have swallowed or inhaled a large amount. People with lung disease (previous or not) may be more sensitive to the effects of exposure. When using high-pressure equipment, injection of the product may occur.

Lifeguard protection (supervised):

Use personal protective equipment. Do not take any action that involves a risk

or in the absence of adequate training.

5. FIREFIGHTING MEASURES:

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5.1 Means Extinguishing:

Suitable extinguishing means: Carbon dioxide (CO2), dry chemical fire extinguishing powder, firefighting foam (AFFF), water mist and water spray.

Other inert gases (subject to the provisions indicating). Sand or soil.

Improper extinguishing means: Do not use direct water jets.

5.2.- Special hazards resulting from the substance or mixture:

Fire and explosion hazards: Non-combustible.

Hazardous Combustion Products: The decomposition of the product leads to the formation of carbon: oxides such as carbon monoxide (carbon monoxide) or carbon dioxide (carbon dioxide), nitrogen oxides, aldehydes, ketones, volatile fatty acids, products of incomplete combustion, unknown hydrocarbons and other toxic gases.

5.3.- Advice to fire brigade:

Fire Fighting and Precautions for Use:

Evacuate the area: Quickly isolate the site by evacuating anyone around the scene of the incident.

Avoid direct contact of the product with flames and high temperatures.

Remove containers from the fire area if it is safe to do so.

Avoid leakage/spill from the location where fire is controlled or dilution into inlets, sewers or water supply.

Avoid inhalation of the substance or products of combustion.

Stand against the wind and move away from low-lying areas.

Do not disperse spilled material with high-pressure water.

Stack the spilled material for further processing.

Use appropriate extinguishing agents for surrounding fires.

Firefighters must use standard protective equipment in confined spaces, Self-Contained Breathing Apparatus (SCBA).

Firefighters must use:

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Appropriate protective equipment and self-contained breathing apparatus with a full face mask operating in positive pressure mode.

Firefighters' clothing (including helmets, protective boots and gloves) that complies with regulations and provides minimal protection for chemical incidents.

Self-contained breathing apparatus (SCBA) and comprehensive equipment.

Use a jet of water to cool containers exposed to fire.

Use a spray bottle of water to cool surfaces exposed to fire and to protect personnel.

If you can't extinguish the fire, leave the area and let the fire extinguish itself.

Ensure a long cool-down period to prevent re-ignition.

Contraindications: The water jet can be applied directly to disperse the product. Do not use direct water jets on the hot product, as this can cause splashing and spread the heat.

Avoid using water and foam simultaneously in the same surface as water destroys the foam.

6. MEASURES TO BE TAKEN IN THE EVENT OF ACCIDENTAL DISPERSAL

In the event of an accidental spill or leak, follow the guidelines set out in the applicable local, regional or national legal provisions.

6.1.- Personal precautions, protective equipment and emergency procedures:

Precautions for emergency service personnel:

Insulate the exposed area and evacuate the surrounding area.

Keep out unauthorized, unnecessary or unprotected people.

Place discarded materials in appropriate containers for later disposal.

Avoid direct contact with spilled product, melted product and inhalation of vapour.

Follow the instructions in HEADINGS: 5, 7, 8 and 13 of the document.

6.2.- Precautions for the protection of the environment:

Avoid scattering of spilled material, contact with soil, aquatic environment, runoff and sewage. Inform the competent authorities if the product has caused pollution of the environment (sewers, waterways, land or air).

6.3.- Methods and equipment of restraint and cleaning:

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Spill on land:

Spills should be collected to prevent slipping. Spilled product poses a slip hazard on hard surfaces.

Small spills: with shovels or other clean means, place in suitable, clean and dry containers. Cover containers lightly and move them out of the spill area.

Spill to water:

Stop the leak if it is safe to do so. Limit spillage immediately with floating barriers. To warn other vessels. Eliminate product spills by collecting them from the surface. The recommendations for spills on land and in water are based on the most likely scenario for this product, in any case, the geographical conditions, the wind, the temperature (and in the case of the spill on the water), the direction and the speed of the waves can greatly influence the correct action to be taken. For this reason, experts should be consulted.

7. HANDLING AND STORAGE:

Store, handle, and use in accordance with applicable local, regional, national, or autonomous regulations. Regardless of the specific nature of the product mixture, conditions such as humidity, sunlight and temperature have an influence on the behaviour of the product during storage and handling.

7.1.- Precautions to be taken for safe handling:

1. Minimize dust generation and accumulation.
2. Avoid sources that generate heat during handling.
3. Routine cleaning tasks should be established to ensure that dust does not accumulate on surfaces.
4. The powder of the product can accumulate electrostatic charges due to friction from the transfer and mixing of operations, which can cause an electrical spark (ignition source). Provide adequate precautions for ignition sources such as: electrical grounding and grounding, inert atmosphere, or non-sparking tools.
5. Avoid high temperatures for extended periods of time.
6. Eliminate all sources of ignition (no smoking, sparks or flames in the nearest area).
7. Prevent small spills and leaks to avoid skid hazards.
8. Do not handle, store or open near sources of open flame, heat or ignition.
9. Avoid contact with eyes.
10. At a minimum, skin contact should be in accordance with general hygiene practices.
11. Avoid contact with hot product.
12. Avoid inhalation of the product in any state, as well as the smoke it may produce.

7.2.-Conditions for safe storage, including possible incompatibilities:

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Store in cool, dry, well-ventilated places.

Avoid direct contact with the sun's rays, so protect the material from direct sunlight.

Special care should be taken to avoid improper stacking of palletized units or other packaging units. Avoid heat-generating conditions during storage. And most importantly, avoid high temperatures for long periods of time. Handling: During loading and unloading operations, properly protect eyes and limbs. Storage (product quality data): Store at a maximum temperature of 30ºC. Store preferably in stainless steel tanks.

7.3. Special End Use(s): Not available.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Carry out the controls and exposure of protective personnel according to the guidelines by the local, regional, autonomous or national legal provisions that are in force and applicable. Due to the wide variety of existing materials on the market and the different forms of application that are beyond our control, we should not forget the obligation to make a good identification of hazards and risk assessment in accordance with the regulations on the safety of existing works and health, for each workplace. The level of protection and types of controls will necessarily vary depending on the potential exposure conditions.

8.1.-Control parameters:

No special or special requirements according to applicable safety and health legislation.

8.2.-Exposure controls:

No special or special requirements, depending on applicable health and safety legislation. Non-hazardous in solid state at room temperature.

Personal protective measures, such as personal protective equipment:

-EYE/FACE PROTECTION: Safety goggles to avoid contact with splashes, especially when working with melted product.

-RESPIRATORY PROTECTION: Breathing mask in accordance with current regulations, in the presence of vapors from the melted product, with prolonged exposure, the product of dispersion, projection, micro projection, injection, spraying, etc. If necessary, use respiratory protective equipment (with goggles) approved by current regulations. Use a purifying mask in case of unknown concentrations or in case of

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danger to life/health; Use an Air-Line Oxygen Mask (Air Suit, Breathing Mask) or Air Breathing Apparause (Full Face Mask).

- SKIN AND BODY:

Solid product: It is recommended to use gloves, protective clothing and appropriate footwear. Hand Protection: It is necessary to wear chemical protective gloves when handling this product. Contact with the skin should be as little as possible according to general hygiene practices. Liquid product: it is not recommended to handle the product in a liquid and/or hot state, in case of extreme necessity carry out the handling using gloves, clothing and footwear of thermal protection and chemical resistance, approved by the regulations in force to ensure that these operations or activities are safe.

Recommendations:

Other protective equipment: Eye wash system and showers in the workplace.

General precautions: Adequate ventilation of the room. Avoid contact with molten material.

Hygiene practices at work: Good work practices reduce unnecessary exposures. Adoption of personal hygiene measures, such as washing after handling equipment and before eating, drinking, and/or smoking. Regularly wash clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Maintain/maintain good practices. Hot showers should be used. Use soap and not other solvents.

9. PHYSICAL AND CHEMICAL PROPERTIES :

9.1.- Information on essential physical and chemical properties

Appearance: Not available

Smell: Not available

Odour threshold: Not available

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pH: Not available

Vapor Pressure: Not available

Density of Steam: Not available

Relative Density: Not available

Solubility(s)): Not available

Melting Point/Melting Point Freezing: Not available

Coefficient of Sharing: N-Octanol/Water: Not available

Initial Boiling Point and Interval Boiling Temperature: Not available

Auto-ignition temperature: Not available

Point Lightning Speed: >200ºC open cup.

Temperature of Decomposition: Not available

Rate Evaporation: Not available

Viscosity: Not available

Flammability (solid, gas): Not available

Properties Explosives: Not available

Upper/Lower Flammability Limits

Properties Oxidizers: Not available

9.2.- Others news:

No further information.

10. STABILITY AND RESPONSIVENESS:

10.1.-Responsiveness: No data available.

10.2.-Stability Chemical: solids and stable at room temperature.

10.3.-Possibility of reactions Hazardous: Under ordinary storage and use, no dangerous reactions occur.

10.4.-Conditions to be Avoid: No specific data.

10.5.-Materials Incompatible substances: Oxidizing materials and chlorinated solvents.

10.6.-Decomposition products Hazardous: Thermal decomposition/conditions to be avoided: No risk if used under specified conditions. Acrolein production is heated to a temperature above 270

°C at atmospheric pressure.

11. **TOXICOLOGICAL INFORMATION**:

Toxicity Treble: Not available

Irritation: Not available

Corrosivity: Not available

Awareness: Not available

Repeated-dose toxicity: Not available

Carcinogenicity: Not available

Mutagenicity: Not available

Toxicity to repro: Not available

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Information on Likely Routes of Exposure: Not available

Potential effects on health:

Contact with the Eyes: Causes severe eye irritation.

Inhalation: No significant effects or critical hazards unknown.

Contact with the Skin: No significant effects or critical hazards not known.

Ingestion: Irritating to the mouth, throat and stomach

Symptoms related to physical, chemical, and toxic characteristics of eye contact: pain or irritation, watery eyes, and redness. Inhalation: No specific data.

Skin Contact: No significant effects or critical hazards known.

Ingestion: No specific data.

12. ECOLOGICAL INFORMATION:

Toxicity: Not available.

Persistence and degradability: Not available.

Bioaccumulation Potential: Not available.

Mobility in the ground: Not available.

PBT and vPvB PBT Assessment Results: Not available

Other Adverse Effects: No significant effects or critical hazards known.

13. CONDITIONS FOR DISPOSAL

Waste disposal must be carried out in accordance with local, regional, autonomous or national regulations, which are in force and applicable.

13.1.- Waste treatment methods:

Reuse or recycle materials as much as possible.

Waste must be disposed of in accordance with the applicable legal provisions.

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14. TRANSPORT INFORMATION :

U.S. Department of Transportation (DOT) (49 CFR)

Under the correct name of the product to be loaded:	unregulated.
Hazard class:	N/A
UN/NA Code:	N/A
Packing Group:	N/A
Labelling:	No
Need to display:	No

ADR RID:

Under the correct name of the product to be loaded:	unregulated.
Hazard class:	N/A
UN/NA Code:	N/A
Packing Group:	N/A
Labelling:	No
Need to display:	No

Air transport (IATA-DGR):

Under the correct name of the product to be loaded:	unregulated.
Hazard class:	N/A
UN/NA Code:	N/A
Packing Group:	N/A
Labelling:	No
Need to display:	No

International Maritime Organization (IMDG):

Under the correct name of the product to be loaded:	unregulated.
Hazard class:	N/A
UN/NA Code:	N/A
Packing Group:	N/A
Labelling:	No
Need to display:	No

Carriage in bulk in accordance with Annex II of MARPOL 73/78 and IBC Code: not applicable.

15. REGULATORY INFORMATION:

Waste disposal must be carried out in accordance with local, regional, autonomous or national regulations, which are in force and applicable.

Methods of processing rubbish:

Reuse or recycle materials as much as possible.

Waste must be disposed of in accordance with the applicable legal provisions.

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16. OTHER INFORMATION

Recommended restriction for use of this product: No restriction for use with this product as intended.

This sheet complements the technical instructions for use but does not replace them. The information contained therein is based on the state of our knowledge of the product concerned on the date indicated and in accordance with the regulations in force. They are given in good faith. This information is provided for information purposes only to enable the operations of the Handling, manufacture, storage, transport, distribution, making available, use and disposal, in a satisfactory state of safety and therefore should not be construed as a guarantee or considered as a quality specification. In addition, this information relates only to the product named by name and, unless specifically stated otherwise, may not be applicable in the event of mixing of the product in question with other substances or usable for any manufacturing process. The attention of users is also drawn to the risks that may arise when a product is used for purposes other than those for which it is designed.

It does not in any way exempt the user from knowing and applying all the texts regulating his activity. They will take the precautions they take when using the product.

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