

SAFETY DATA SHEET

KERAGREEN CONTAINER CEU SOYBEAN WAX

Print date: 26 October 2023

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Presentation and drafting rules in accordance with Regulation 1907/2006/EC (REACH), (UE) n°2020/878 (CLP) and GHS

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

Product Identification:

Product name: Keragreen Container CEU Soybean Wax

General Description: glycine soja oil.

Chemical description: triglycerides

CAS No.: 8001-22-7 EINECS No.: 232-410-2

REACH/CLP registration number: not registered (exempt) REACH/CLP designation: not applicable

Relevant identified uses of the substance or mixture: Industrial applications.

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

The production of acrolein 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

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Phone : + 33 (0) 4 75 54 35 05

Courriel : contact@adc-solution.com

SIREN : 432 961 134 SIRET : 432 961 134 00041

40 Impasse des Joncs D 126 route d'Allan 26780 Malataverne

ADC France au Capital de 163 200 Euros – RCS 432 961 134 VALENCE – T.V.A. FR 64 432 961 134

2. HAZARD IDENTIFICATION

2.1.- Classification of the substance or mixture:

Product Definition : Polymer material blend.

Classification according to Regulation (UE) n°2020/878 [CLP / GHS]: Not classified. 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:

Criteria for PBT or vPvB in accordance with Annex XIII to Regulation (EC) No 1907/2006 (REACH).

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

Other hazards which are not classified but which may contribute to the general hazards of the substance or mixture:

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

CONTACT WITH SKIN: In solid condition the product does not present a danger to health, even if there is no medical information available, but in some cases (sensitive, intolerant, non-topical ...) it can cause adverse effects such as irritation. In the molten 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 adverse 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/INGREDIENT INFORMATION

3.1.- Substance & 3.2 Mixtures:

General Description: glycine soja oil.

Chemical description: triglycerides

CAS No.: 8001-22-7 EINECS No.: 232-410-2

REACH/CLP registration number: not registered (exempt) REACH/CLP designation: not applicable

4. FIRST AID

Do not perform any activity involving personal risk or without appropriate training. In the event of any eventuality indicated below or not, call for assistance or medical care immediately:

4.1. Description of first aid:

EYES:

Solid: If it gets into the eyes, you need to remove it like a foreign body. 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 can cause irritation.

Liquid: If the hot product falls on the eyes, cool quickly 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 abundant water.

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

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INHALATION:

Bring the victim to an uncontaminated area or outside, keep him resting in a comfortable position to breathe, if the victim is unconscious and breathing, he must be kept in the lateral position of rescue, IF necessary administer oxygen. If the victim has difficulty breathing, is unconscious and is not breathing, ensure that there is no obstacle to breathing, and, if necessary, have artificial respiration provided by people prepared for this. 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 him resting in a comfortable position to breathe. If the material has been swallowed and the exposed person is conscious, give him small amounts of water to drink, stop if the person feels sick as vomiting can be dangerous. Do not induce vomiting unless otherwise directed by medical personnel.

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

4.2 . Main symptoms and effects, acute and delayed

See sections 2 and 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 effect. Immediately contact a poisoning specialist if a large amount has been swallowed or inhaled. People with lung diseases (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 swallowing or inhaling a large amount. People with lung diseases (previous or not) may be more sensitive to the effects of exposure. When using high-pressure equipment, injection of the product may occur.

Protection of lifeguards (supervised):

Use personal protective equipment. Do not take any action involving a risk staff or in the absence of adequate training.

5. FIREFIGHTING MEASURES:

5.1 Extinguishing means:

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

Other inert gases (subject to the provisions indicated). Sand or earth.

Inappropriate means of extinguishing : 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, incomplete combustion products, unknown hydrocarbons and other toxic gases.

5.3.- Advice to firefighters:

Firefighting and precautions for use:

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

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

Remove containers from the fire zone if safe to do so.

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

Avoid inhalation of the substance or combustion products.

Be in the opposite direction of the wind and move away from low areas.

Do not disperse spilled material with high-pressure water.

Stack spilled material for further processing.

Use extinguishing agents appropriate to surrounding fires.

Firefighters must use standard protective equipment in confined spaces, Self-contained breathing apparatus (SCBA).

Firefighters must use:

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 complete equipment.

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

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

If you cannot put out the fire, leave the area and let the fire put out itself.

Ensure a long cooling period to prevent re-ignition.

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

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

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

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

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

Precautions for emergency service personnel :

Isolate the exposed area and evacuate the surroundings.

Keep away from unauthorized, useless or unprotected persons.

Place the rejected material in suitable containers for disposal later.

Avoid direct contact with spilled product, molten product and steam inhalation.

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

6.2.- Precautions for the protection of the environment:

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

6.3.- Methods and equipment of restraint and cleaning:

Spill on land:

Spills should be collected to avoid slipping. The spilled product presents a risk of slipping on hard surfaces.

Small spills: with shovels or other clean means, introduce into suitable, clean and dry containers. Cover containers lightly and move them outside the spill area.

Discharge into water:

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

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7. HANDLING AND STORAGE:

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

7.1.- Precautions for safe handling :

1. Minimize dust generation and accumulation.
2. Avoid sources that generate heat during handling.
3. Routine housekeeping 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 the friction of the transfer and mixing of operations, which can cause an electrical spark (ignition source). Provide adequate precautions against ignition sources such as: electric grounding and grounding, inert atmosphere or non-sparking tools.
5. Avoid high temperatures for prolonged periods.
6. Eliminate all sources of ignition (no smoking, sparks or flames in the nearest area).
7. Prevent small spills and leaks to avoid skidding hazards.
8. Do not handle, store or open near sources of open flame, heat or ignition.
9. Avoid contact with eyes.
10. Contact with the skin should be at least in accordance with general hygiene practices.
11. Avoid contact with hot product.
12. Avoid inhalation of the product in any condition, as well as the smoke it may produce.

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

Store in cool, dry, well-ventilated places.

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

Particular care should be taken to avoid inappropriate stacking of palletized or other packing 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 the eyes and limbs. Storage (product quality data): Store at a maximum temperature of 30°C. Store preferably in stainless steel tanks.

7.3. Special end use(s): Not available.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Carry out controls and exposure of protection personnel according to the guidelines by 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, let us not forget the obligation to make a good identification of hazards and risk assessment in accordance with the regulations on the safety of existing work 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 the applicable safety and health legislation. Non-hazardous product in solid state at room temperature.

Personal protective measures, such as personal protective equipment :

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

-RESPIRATORY PROTECTION: Breathing mask in accordance with the regulations in force, in the presence of vapors of the melted product, with prolonged exposure, the product of dispersion, projection, micro projection, injection, spraying ... If necessary, use respiratory protective equipment (with glasses) approved by current regulations. Use a purifying mask in case of unknown concentrations or in case of danger to life / health; use an air-line oxygen mask (airsuit breathing mask) or air breathing apparatus (full 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 the least according to general hygiene practices. Liquid product: it is not recommended the handling of the product in 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 current regulations to ensure that these operations or activities are safe.

Recommendations:

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

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

Occupational hygiene practices : Good working 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES :

9.1.- Information on essential physical and chemical properties

Appearance: Not available

Odor: Not available

Odour threshold: Not available

pH: Not available

Vapour pressure : Not available

Vapour density: Not available

Relative density : Not available

Solubility(s): Not available

Melting Point/Freezing Point : Not available

Partition coefficient: n-octanol/water: Not available

Initial boiling point and Boiling range: Not available

Auto-ignition temperature: Not available

Flash point: >200°C open cup.

Decomposition temperature: Not available

Evaporation rate: Not available

Viscosity: Not available

flammability (solid, gas): Not available

Explosive properties : Not available

Upper/lower flammability limits

Oxidizing properties: Not available

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9.2.- Other information:

No further information.

10. STABILITY AND REACTIVITY:

10.1.-Reactivity: No data available.

10.2.-Chemical stability : solids and stable substances at room temperature.

10.3.-Possibility of dangerous reactions: Under ordinary conditions of storage and use, no dangerous reaction occurs.

10.4.-Conditions to avoid: No specific data.

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

10.6.-Hazardous decomposition products: 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:

Acute toxicity: Not available

Irritation: Not available

Corrosivity: Not available

Awareness: Not available

Repeated dose toxicity: Not available

Carcinogenicity: Not available

Mutagenicity: Not available

Reproductive toxicity: Not available

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Information on probable routes of exposure : Not available

Potential health effects:

Eye contact: Causes severe eye irritation.

Inhalation: No known significant effects or critical hazards.

Skin Contact: No significant effects or unknown critical hazards.

Ingestion: Irritating to mouth, throat and stomach

Symptoms related to physical, chemical and toxicological characteristics Contact with eyes: pain or irritation, watery eyes and redness. Inhalation: No specific data.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No specific data.

12. ECOLOGICAL INFORMATION:

Toxicity: Not available.

Persistence and degradability: Not available.

Bioaccumulation potential : Not available.

Mobility in soil: Not available.

Results of PBT and vPvB PBT assessments: Not available

Other adverse effects : No known significant effects or critical hazards.

13. DISPOSAL CONDITIONS

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 legal provisions in force.

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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: not regulated.
 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: not regulated.
 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: not regulated.
 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: not regulated.
 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.

Waste treatment methods :

Reuse or recycle materials as much as possible.

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

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16. OTHER INFORMATION

Recommended restriction for use of this product: No restriction for use in accordance with this product.

This sheet supplements the technical instructions for use but does not replace them. The information it contains is based on the state of our knowledge relating to the product concerned on the date indicated and according to the regulations in force. They are given in good faith. This information is only indicative to allow handling, manufacture, storage, transport, distribution, making available, use and disposal operations in a satisfactory state of safety and therefore should not be interpreted as a guarantee or considered as quality specifications. Moreover, this information relates only to the product named by name and, unless specifically stated otherwise, it may not be applicable where the product in question is mixed with other substances or which can be used for any manufacturing process. The attention of users is also drawn to the possible risks involved when a product is used for purposes other than those for which it is designed.

It in no way exempts the user from knowing and applying all the texts regulating his activity. He will take under his sole responsibility the precautions related to the use he makes of the product.

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