

Printing date 10/09/2017

Version 2

Reviewed on 10/09/2017

## 1 Identification

- **Product identifier**
- **Product Description:** Multipurpose resin modifier
- **Product code:** Cardolite UltraLITE 2023
- **CAS Number:**  
8007-24-7
- **EC number:**  
232-355-4
- **Application of the substance / the mixture**  
Resin  
Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Cardolite Corporation  
11 Deer Park Drive, Suite 124  
Monmouth Junction, NJ 08852  
USA  
Tel: (973) 344-5015  
Regulatory@cardolite.com
- **Information department:** Product safety department
- **Emergency telephone number:** 24 Hour Emergency: 800-424-9300 CHEMTREC

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Eye Dam. 1     H318 Causes serious eye damage.



GHS07

Acute Tox. 4     H312 Harmful in contact with skin.

Skin Irrit. 2     H315 Causes skin irritation.

Skin Sens. 1A   H317 May cause an allergic skin reaction.

- **Label elements**

- **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS05   GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Cashew (Anacardium occidentale) Nutshell Extract, decarboxylated, Distilled

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## Product Description: Multipurpose resin modifier

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### • Hazard statements

H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.

### • Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a poison center/doctor.  
 P321 Specific treatment (see on this label).  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### • Classification system:

### • NFPA ratings (scale 0 - 4)



Health = 2  
 Fire = 1  
 Reactivity = 0

### • HMIS-ratings (scale 0 - 4)



Health = 2  
 Fire = 1  
 Reactivity = 0

### • Other hazards

### • Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

### • Chemical characterization: Substances

### • CAS No. Description

8007-24-7 Cashew nutshell liquid 100%

### • Identification number(s)

• **EC number:** 232-355-4

## 4 First-aid measures

### • Description of first aid measures

### • General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

### • After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

### • After skin contact: Immediately wash with water and soap and rinse thoroughly.

### • After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

### • After swallowing: Immediately call a doctor.

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- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**  
Promptly isolate the scene by removing all person from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- **Protective equipment:** No special measures required.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**  
Keep container tightly closed and in a well ventilated place.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.

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- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the skin.  
 Avoid contact with the eyes and skin.
- **Breathing equipment:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:**

|               |             |
|---------------|-------------|
| <b>Form:</b>  | Liquid      |
| <b>Color:</b> | Yellow tint |
  - **Odor:** Mineral-oil-like
  - **Odor threshold:** Not determined.
- |                                     |           |
|-------------------------------------|-----------|
| • <b>pH-value at 25 °C (77 °F):</b> | 2.2 - 3.5 |
|-------------------------------------|-----------|

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|  |   |
|--|---|
| <ul style="list-style-type: none"> <li>· <b>Change in condition</b></li> </ul> |   |
| <b>Melting point/Melting range:</b>  | Undetermined.                                 |
| <b>Boiling point/Boiling range:</b>  | Undetermined.                                 |
| · <b>Flash point:</b>  | > 260 °C (>500 °F)                            |
| · <b>Flammability (solid, gaseous):</b>  | Not applicable.                               |
| · <b>Ignition temperature:</b>   |   |
| <b>Decomposition temperature:</b>  | Not determined.                               |
| · <b>Auto igniting:</b>  | Not determined.                               |
| · <b>Danger of explosion:</b>  | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>   |   |
| <b>Lower:</b>  | Not determined.                               |
| <b>Upper:</b>  | Not determined.                               |
| · <b>Vapor pressure at 25 °C (77 °F):</b>                                      | 0.0000005 hPa (0 mm Hg)                       |
| · <b>Density at 25 °C (77 °F):</b>   | 0,956 g/cm <sup>3</sup> (7.97782 lbs/gal)     |
| · <b>Relative density</b>  | Not determined.                               |
| · <b>Vapor density</b>   | Not determined.                               |
| · <b>Evaporation rate</b>  | Not determined.                               |
| · <b>Solubility in / Miscibility with</b>                                      |   |
| <b>Water at 20 °C (68 °F):</b>   | 0,000304 g/l                                  |
| · <b>Partition coefficient (n-octanol/water):</b>                              | Not determined.                               |
| · <b>Viscosity:</b>  |   |
| <b>Dynamic at 25 °C (77 °F):</b>   | 40 - 60 cps                                   |
| <b>Kinematic:</b>  | Not determined.                               |
| · <b>Other information</b>   | No further relevant information available.    |

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
Irritating to eyes and skin.

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### 8007-24-7 Cashew (*Anacardium occidentale*) Nutshell Extract, decarboxylated, Distilled

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 500 mg/kg (rat)       |
| Dermal | LD50 | >2000 mg/kg (daphnia) |

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

Substance is not listed.

- **NTP (National Toxicology Program)**

Substance is not listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

### 8007-24-7 Cashew (*Anacardium occidentale*) Nutshell Extract, decarboxylated, Distilled

|      |                   |
|------|-------------------|
| EC50 | 1300 mg/l (Algae) |
| LL50 | 1000 mg/l (Fish)  |

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- |  |                                   |
|--|-----------------------------------|
| · <b>UN-Number</b>   |                                   |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | Non-hazardous for transport       |
| · <b>UN proper shipping name</b>   | Not regulated as dangerous goods. |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | Non-hazardous for transport       |
| · <b>Transport hazard class(es)</b>  |                                   |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   |                                   |
| · <b>Class</b>   | Non-hazardous for transport       |
| · <b>Packing group</b>   | N/A                               |
| · <b>DOT, ADR, IMDG, IATA</b>  | Non-hazardous for transport       |
| · <b>Environmental hazards:</b>  |                                   |
| · <b>Marine pollutant:</b>   | No                                |
| · <b>Special precautions for user</b>  | Not applicable.                   |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                   |
| · <b>UN "Model Regulation":</b>  | UN-, -                            |

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):**  
Substance is not listed.
- **Section 313 (Specific toxic chemical listings):**  
Substance is not listed.
- **TSCA (Toxic Substances Control Act):**  
Substance is listed.
- **Proposition 65**
- **Chemicals known to cause cancer:**  
Substance is not listed.
- **Chemicals known to cause reproductive toxicity for females:**  
Substance is not listed.
- **Chemicals known to cause reproductive toxicity for males:**  
Substance is not listed.
- **Chemicals known to cause developmental toxicity:**  
Substance is not listed.

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### • Carcinogenic categories

#### • EPA (Environmental Protection Agency)

Substance is not listed.

#### • TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

#### • NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

### • GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

### • Hazard pictograms



GHS05 GHS07

### • Signal word Danger

### • Hazard-determining components of labeling:

Cashew (Anacardium occidentale) Nutshell Extract, decarboxylated, Distilled

### • Hazard statements

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

### • Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### • Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### • Department issuing SDS: Product safety department

### • Contact: Mr Eleazar dela Cruz

### • Date of preparation / last revision 10/09/2017 / 1

### • Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

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HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TVL: Treshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Skin Sens. 1A: Skin sensitisation – Category 1A

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