

## Cranberry Extract

### Material Safety Data Sheet

#### 1. Identification of the substance/preparation and company

- 1.1. Trade name and Synonym: Cranberry Extract
- 1.2. Distributor: XI'AN AOGU BIOTECH CO.,LTD  
Room 606,Block B3,Jinye Times,No.32,East Section of Jinye Road,Yanta District,Xi'an Shaanxi 710065 China

#### 2. Composition/information on ingredients:

- 2.1. Identification number: 334512-13
- 2.2. CAS number(s): 56-81-5, 7732 18-5, 91770-88-6
- 2.3. EINECS number: 200-289-5, 231 791-2, 294-875-8
- 2.4. INCI name: Glycerin (and) Water (and) Vaccinium Macrocarpon (Cranberry) Fruit
- 2.5. Hazardous ingredients: Not Applicable

#### 3. Hazards identification:

Specific risks: None known at this time

#### 4. First aid measures:

- 4.1. First aid measures / general information: After adequate first aid, no further treatment is required unless symptoms reappear.
- 4.2. Skin Contact: Wash off in flowing water or shower.
- 4.3. Eyes Contact: In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persist.
- 4.4. Inhalation: Remove to fresh air if effects occur. Consult a physician.
- 4.5. Ingestion: If swallowed seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

#### 5. Fire-fighting measures:

- 5.1. Suitable extinguishing media: Water in a fine spray. Alcohol resistant foam, CO<sub>2</sub>, Dry Chemical
- 5.2. Extinguishing media that must not be used for safety reasons: Do not use direct water stream. May spread fire.

#### 6. Accidental release measures:

- 6.1. Environmental precautions -- Keep out of sewers, storm drains, surface water and soil.
- 6.2. Methods for cleaning up / taking up: Small spills: Cover with absorbent material, soak up and sweep into a drum. Large spills: Dike around spill and pump into suitable containers.
- 6.3. Protect People: Dispose of in compliance with federal, state and local regulations. Keep unnecessary people away; isolate hazard area and deny unnecessary entry.

#### 7. Handling and Storage:

- 7.1. Handling: Normal handling and storage consistent with good manufacturing practices should be used.
- 7.2. Storage: Keep containers closed until used. To maintain product quality, do not store in heat or direct sunlight.
- 7.3. Reactivity Data: Not applicable.

## 8. Exposure controls / personal protection:

### 8.1. Personal Protective Equipment:

Eyes: Use safety glasses.

Skin: No precautions other than clean body-covering clothing should be needed.

Respiratory: For most conditions, no respiratory protection should be needed. However, if material is heated or sprayed, use an approved air-purifying respirator.

### 8.2. Hygiene measures: Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing wash thoroughly before reuse. Shower after work using plenty of soap and water. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

## 9. Physical and chemical properties:

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|---|--------------------------------|
| 9.1. Appearance:                            | Medium to dark red liquid      |
| 9.2. Odor:                                  | Characteristic                 |
| 9.3. Color:                                 | Medium to dark red             |
| 9.4. Data relevant to safety:               | Avoid strong oxidizing agents. |
| 9.5. Flash point (method used):             | > 390 F(PMCC)                  |
| 9.6. Flammable limits:                      | % LFL: N/A -UFL:N/A            |
| 9.7. Boiling point:                         | 290 C                          |
| 9.8. Specific gravity (25oC)                | 1.05 - 1.15 at 25° C           |
| 9.9. Vapor density (air-1):                 | Not available                  |
| 9.10. Evaporation rate (butyl acetate = 1): | Not available                  |
| 9.11. Solubility in water:                  | Complete                       |
| 9.12. Refractive index (25C):               | 1.3920 - 1.5000 at 25° C       |

## 10. Stability and reactivity:

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|---|--|
| 10.1. Hazardous reactions:              | Hazardous polymerization will not occur.                                       |
| 10.2. Stability:                        | Stable   |
| 10.3. Conditions to avoid:              | Avoid strong oxidizing agent (such as sodium hypochlorite, hypochlorous acid). |
| 10.4. Hazardous decomposition products: | Acrolein   |

## 11. Toxicological information: \*Glycerin

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|--------------------|---|
| 11.1. Skin:        | The LD50 for skin absorption in rabbits is >10,000 mg/kg. |
| 11.2. Ingestion:   | The oral LD50 for rats is 17,000 to 27,211 mg/kg.         |
| 11.3. Inhalation:  | The LC50 for 60 hours in rats was >4 mg/liter.            |
| 11.4. Mutagenicity | In vitro mutagenicity studies were negative.              |

## 12. Ecological information:

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| 12.1. Ecotoxicity: | *Material is practically non-toxic to fish on an acute basis (LC50 greater than 100 mg/L). Acute Lg50 for fathead minnow (Pimephales promelas is 44000 mg/L). Acute Ld50 for goldfish (Carassius auratus) is greater than 5000 mg/L. * Based on information supplied to us for Glycerin on the chemical vendor's MSDS. |
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## 13. Advice on disposal:

13.1. Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

## 14. Transport information:

14.1 Land Transport - Marine Transport - Air Transport: Other than normal shipping instructions and information given in the MSDS, there are no other specific U.S. Department of Transportation (DOT) regulations governing the shipment of this material.

## 15. Regulatory information:

### 15.1 Labeling - (Hazards Symbols)

National Fire Protection Association

Health = 1 Flammability =1 Reactivity = 0 Special Hazard - None

Hazardous Material Information System (HMIS)

Health = 1 Flammability =1 Reactivity = 0 Personal Protection = D

## 16. Other information:

Hazardous combustion products may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to: Aldehydes, carbon monoxide, carbon dioxide.

## Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use. This MSDS was prepared and is to be used only for this material. If the material is used as a component in another material, this MSDS information may not be applicable.