



Qingdao Free Trade Zone United International Co., Ltd.

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## Material Safety Data Sheet

### RESPBERRY KETONE

Qingdao Free Trade Zone United International Co., Ltd. asks to its customers receiving this material safety data sheet to study carefully in order to know the dangers presented by the product and to inform its employees, agents, and sub-contractors.

The end user is responsible for the handling and the storage of the product to refer to legislative, regular and administrative up to date texts, concerning the protection of the workers and the population and the environmental.

This information is based on our current level of knowledge given by our own suppliers.

Date/revised: April 25,2013	Date issued: Dec. 04, 2008
Product: Raspberry ketone	

#### 1. Substance/preparation and company name

**Company:**

Qingdao Free Trade Zone United International Co., Ltd.

18/F, Huaren International Building, 2A Shandong Road, Qingdao, China - 266071

#### 2. Composition/information on ingredients

**Chemical name:** Raspberry ketone

**Synonyms:** 1-(4-Hydroxyphenyl)-3-butanone; 4-(4-Hydroxyphenyl)butan-2-one;  
4-(4-Hydroxyphenyl)-2-butanone, Frambinone

**CAS No.:** 5471-51-2

**FEMA No.:** 2588

**FDA No.:** 172.515

**CE No.:** 755c

**EINECS No.:** 226-806-4

#### 3. Physical and chemical properties

**Appearance:** White crystal

**Formula:** C<sub>10</sub>H<sub>12</sub>O<sub>2</sub>

**Melting point:** 81-85 °C

**Boiling point:** 200 °C

**Molecular weight:** 164.20

**Assay:** 99% min.

#### 4. Hazards identification

Harmful by inhalation and if swallowed.

Irritating to eyes, respiratory system and skin.

#### 5. First aid measures

**Eyes:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Call a physician.

**Skin:** In case of contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes. Call a physician.

**Inhalation:** If inhaled, move to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

## 6. Fire fighting and measures

**Flash point:** N/A

**Flammable limits:** N/A

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Extinguishing media:** Water spray, Carbon dioxide, Dry chemical powder foam account other materials which may be involved. In general, water-based extinguishers should not be used for fires involving organic materials. Use carbon dioxide or dry powder.

## 7. Accidental release measures

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

**Environmental precautions:** Do not let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## 8. Handling and storage

**Handling:** Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## 9. Exposure controls and personal protection

**Eyes:** Safety glasses.

**Hand:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Skin and body:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Respiratory:** Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## 10. Stability and reactivity

**Chemical stability:** Stable under recommended storage conditions.

**Incompatibilities with other materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Carbon oxides.

## 11. Toxicological information

**Oral, rat: LD<sub>50</sub>:** 1320 mg/kg

## 12. Ecological information

N/A

**13. Disposal considerations**

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

**14. Transport information**

**Emergency TEL:** +86-532-86069596; 83891505~9

**15. Regulatory information**

N/A

**16. Other information**

**Shelf life:** 12 months minimum in sealed containers protected from light and air

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.