

## Quercetin 3-O-neohesperidoside

**Cat#: orb702644 (MSDS)**

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Quercetin 3-O-neohesperidoside

### 2. HAZARDS IDENTIFICATION

OSHA Hazards

No known OSHA hazards.

Not a dangerous substance according to GHS.

HMIS Classification

**Health hazard:** 0

**Flammability:** 0

**Physical hazards:** 0

**NFPA Rating**

**Health hazard:** 0

**Fire:** 0

**Reactivity Hazard:** 0

**Potential Health Effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Ingestion** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** Quercetin 3-O-neohesperidoside  
**CAS#:** 32453-36-4  
**Formula:** C<sub>27</sub>H<sub>30</sub>O<sub>16</sub>  
**Molecular Weight:** 610.52

### 4. FIRST AID MEASURES

#### General advice

Consult a doctor. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a doctor.

In case of skin contact

Wash off with soap and plenty of water. Consult a doctor.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a doctor.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a doctor.

### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

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

## 7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Keep container tightly closed. Recommended storage

temperature: 2 - 8°C Keep in a dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99(US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the

sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection** Protective gloves.

**Eye protection**

Face shield and safety glasses.

**Skin and body protection**

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

**Hygiene measures**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Yellow solid

**Safe data**

|                       |                                   |
|-----------------------|-----------------------------------|
| pH                    | no data available                 |
| Melting point         | 216-220 °C                        |
| Boiling point         | no data available                 |
| Flash point           | no data available                 |
| Ignition temperature  | no data available                 |
| Lower explosion limit | no data available                 |
| Upper explosion limit | no data available                 |
| Water solubility      | no data available                 |
| Solubility            | Aqueous methanol, Aqueous ethanol |

**10. STABILITY AND REACTIVITY**

Chemical stability

Stable under recommended storage conditions.

**Conditions to avoid** no data available

**Materials to avoid** Strong oxidizing agents.

Hazardous decomposition products

Other decomposition products - no data available.

Hazardous decomposition products formed under fire conditions. - Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity data** no data available

**Reproductive data** no data available

Serious eye damage/eye irritation no data available

Respiratory or skin sensitization no data available

**Germ cell mutagenicity** no data available

**Carcinogenicity** no data available

Specific target organ toxicity - single exposure (GHS) no data available

Specific target organ toxicity - repeated exposure (GHS) no data available

**Aspiration hazard** no data available

Potential health effects

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | May be harmful if inhaled. May cause respiratory tract irritation.  |
| <b>Ingestion</b>  | May be harmful if swallowed.  |
| <b>Skin</b>       | May be harmful if absorbed through skin. May cause skin irritation. |
| <b>Eyes</b>       | May cause eye irritation.   |

### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

Toxicity no data available

**Persistence and degradability** no data available

**Bioaccumulative potential** no data available

**Mobility in soil** no data available

PBT and vPvB assessment no data available

**Other adverse effects** no data available

### 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

#### DOT (US)

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

### 15. REGULATORY INFORMATION

#### OSHA Hazards

No known OSHA hazards.

#### DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

4H-1-Benzopyran-4-one,3-[[2-O-(6-deoxy- $\alpha$ -L-mannopyranosyl)- $\beta$ -D-glucopyranosyl]oxy]-2-(3

,4-dihydroxyphenyl)-5,7-dihydroxy- CAS-No. 32453-36-4

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

**SARA 311/312 Hazards**

No SARA Hazards

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

4H-1-Benzopyran-4-one,3-[[2-O-(6-deoxy- $\alpha$ -L-mannopyranosyl)- $\beta$ -D-glucopyranosyl]oxy]-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy- CAS-No. 32453-36-4

**New Jersey Right To Know Components**

4H-1-Benzopyran-4-one,3-[[2-O-(6-deoxy- $\alpha$ -L-mannopyranosyl)- $\beta$ -D-glucopyranosyl]oxy]-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy- CAS-No. 32453-36-4

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.