

Product Name: Rotenone Revision Date: 12/12/2023



I. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Rotenone
Product Catalog Number:	B5462
CAS Number:	83-79-4
Company:	APExBIO Technology 7505 Fannin street, Suite 410, Houston, TX 77054, USA +1-832-696-8203 TEL +1-832-641-3177 FAX +1-855-577-7998 EMERGENCY PHONE

II. HAZARDS IDENTIFICATION



Acute toxicity,oral(Category 3),H301 Skin corrosion/irritation(Category 2),H315 Serious eye damage/eye irritation(Category 2A),H319 Specific target organ toxicity, single exposure; Respiratory tract irritation(Category 3),H335 Hazardous to the aquatic environment, long-term hazard(Category 1),H410

III. COMPOSITION/DATA ON COMPONENTS

Formula:

C23H22O6

Molecular Weight :

394.42

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IV. FIRST AID MEASURES



V. FIRE FIGHTING MEASURES

Conditions of flammability:

Suitable extinguishing media:

Special protective equipment for

Hazardous combustion products:

If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration.

Flush with copious amounts of water; remove contaminated clothing and shoes; call a physician; Take victim to hospital immediately; call a physician.

Check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician.

If swallowed, wash out mouth with copious amounts of water; call a physician

Not flammable or combustible.

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

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides.

VI. ACCIDENTAL RELEASE MEASURES

Personal precautions:

firefighters:

Environmental precautions:

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas.

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

Methods and materials for containment and cleaning up:

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

VII. HANDLING AND STORAGE

Precautions for safe handling:

Conditions for safe storage:



Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Store at RT Keep in a dry place.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment as follows:

Respiratory protection:



Hand protection:

Eye protection:

Contains no substances with occupational exposure limit values.

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).

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Use equipment for eye protection tested and approved under appropriate government

standards such as NIOSH (US) or EN 166(EU).

Skin and body protection:



Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures:

General industrial hygiene practice.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties No data available a) Appearance No data available b) Odour c) Odour Threshold No data available No data available d) pH e) Melting point/freezing point No data available f) Initial boiling point and No data available boiling range g) Flash point No data available h) Evaporation rate No data available No data available i) Flammability (solid, gas) i) Upper/lower flammability or No data available explosive limits k) Vapour pressure No data available No data available I) Vapour density m) Relative density No data available

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- n) Water solubility
- o) Partition coefficient
- p) Auto-ignition temperature
- q) Decomposition temperature
- r) Viscosity
- s) Explosive properties
- t) Oxidizing properties

Other safety information

No data available

Chemical stability:

Conditions to avoid:

Materials to avoid:

X. STABILITY AND REACTIVITY

Possibility of hazardous reactions:

No data available

- No data available
- No data available
 - No data available
 - No data available
 - No data available
 - No data available

Stable under recommended storage conditions.

No component of this product present at levels greater than or equal to 0.1% is identified as

greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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No data available.

No data available.

Strong acids, Strong bases.

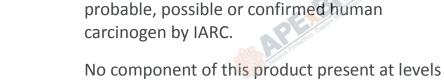
XI. TOXICOLOGICAL INFORMATION

Carcinogenicity

IARC:

ACGIH:



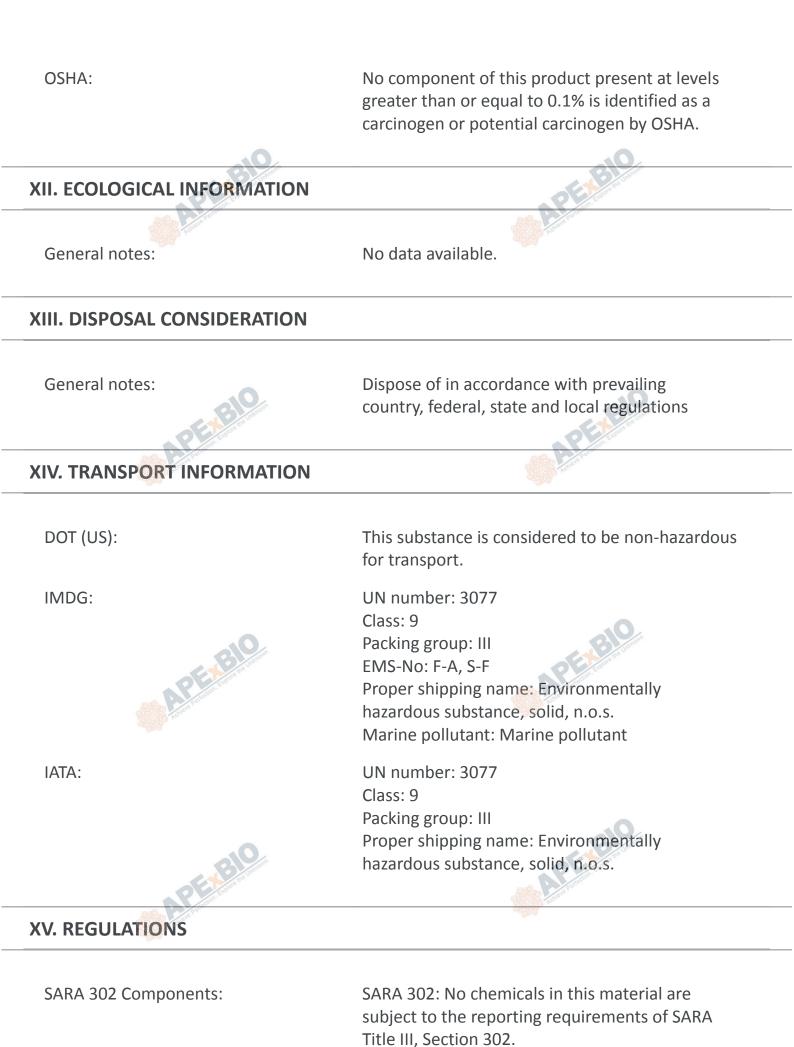


NTP:









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SARA 313 Components:

SARA 311/312 Hazards:

Massachusetts Right To Know Components:

Pennsylvania Right To Know Components:

New Jersey Right To Know Components:

California Prop. 65 Components:

XVI. OTHER INFORMATION

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.

Acute Health Hazard.

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

No components are subject to the New Jersey Right to Know Act.

No components are subject to the New Jersey Right to Know Act.

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

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