# Wild Ruby Bio-Enzyme

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 9/3/2025 Revision date: 3/8/2019

## SECTION 1 Identification

### 1.1. Product identifier

Product form : Mixture
Product name : Wild Ruby Bio-Enzyme
Product code : 2296-7034

### 1.2. Other means of identification

No additional information available

### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Enzyme

### 1.4. Supplier's details

**Supplier**
Uneeda Enterprises
50 Gordon Drive
Syosset, NY, 11791
T (516) 294-4333

**Manufacturer**
American Cleaning Solutions
39-30 Review Avenue
Long Island City, NY, 11101
T (718) 392-8080

### 1.5. Emergency phone number

Emergency number : (800) 535-5053

## SECTION 2 Hazard Identification

### 2.1. Classification of the substance or mixture

**GHS US classification**

| | | |
|---|---|---|
| Skin sensitization, Category 1 | H317 | May cause an allergic skin reaction. |

Full text of H statements : see section 16

### 2.2. Label elements

**GHS US labeling**

Hazard pictograms (GHS US) :

Signal word (GHS US) : Warning
Hazard statements (GHS US) : H317 - May cause an allergic skin reaction
Precautionary statements (GHS US) : P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
P302+P352 - If on skin: Wash with plenty of soap and water
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|---|---|---|---|
| Nonylphenol Ethoxylate<br>(Surfactant) | CAS-No.: 127087-87-0 | 1 – 5 | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2, H319 |
| geraniol<br>(Fragrance Component) | CAS-No.: 106-24-1 | 0.141 – 0.188 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4 First aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms/effects, acute and delayed

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

No additional information available

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel.

**For emergency responders**

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

See Heading 8. Exposure controls and personal protection.

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

### 7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropiate engineering controls

No additional information available

### 8.3. Individual protection measures, such as personal protective equipment

**Personal protective equipment:**
Avoid all unnecessary exposure.

| **Hand protection:** |
|---|
| Wear protective gloves/eye protection/face protection protective gloves |

| **Eye protection:** |
|---|
| Chemical goggles or safety glasses |

| **Respiratory protection:** |
|---|
| Wear appropriate mask |

**Personal protective equipment symbol(s):**

**Other information:**
Do not eat, drink or smoke during use.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Color | : | white |
| Odor | : | Fruity |
| Odor threshold | : | No data available |
| pH | : | 6.5 – 7 |
| Melting point | : | No data available |
| Freezing point | : | No data available |
| Boiling point | : | 212 – 220 °F |
| Flash point | : | > 200 °F |
| Flammability (solid, gas) | : | Non flammable. |
| Vapor pressure | : | No data available |
| Relative vapor density at 20 °C | : | No data available |
| Relative density | : | 1.02 |
| Solubility | : | Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | No data available |
| Explosion limits | : | No data available |
| Particle characteristics | : | No data available |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

## SECTION 11 Toxicological information

### 11.1. Likely routes of exposure

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Nonylphenol Ethoxylate (127087-87-0) | |
|---|---|
| LD50 oral rat | 1890 mg/kg body weight (Rat, Male / female, Experimental value, Oral) |
| LD50 oral | 657 mg/kg body weight (Rabbit, Male / female, Experimental value, Oral) |
| ATE US (oral) | 1890 mg/kg body weight |

| geraniol (106-24-1) | |
|---|---|
| LD50 oral rat | 3600 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 5000 mg/kg (Rabbit, Experimental value, Dermal) |
| ATE US (oral) | 3600 mg/kg body weight |

Skin corrosion/irritation : Not classified
pH: 6.5 – 7

| Nonylphenol Ethoxylate (127087-87-0) | |
|---|---|
| pH | 6.3 (1 %) |

Serious eye damage/irritation : Not classified
pH: 6.5 – 7

| Nonylphenol Ethoxylate (127087-87-0) | |
|---|---|
| pH | 6.3 (1 %) |

Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

| geraniol (106-24-1) | |
|---|---|
| Viscosity, kinematic | 9.235 mm²/s |

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

| Nonylphenol Ethoxylate (127087-87-0) | |
|---|---|
| LC50 - Fish [1] | 11.6 mg/l (48 h, Oryzias latipes, Static system, Fresh water, Experimental value) |
| EC50 - Crustacea [1] | 14 mg/l (48 h, Daphnia magna, Static renewal, Fresh water, Experimental value) |
| EC50 96h - Algae [1] | 12 mg/l (Selenastrum capricornutum, Static system, Fresh water, Experimental value, Nominal concentration) |

| geraniol (106-24-1) | |
|---|---|
| LC50 - Fish [1] | 22 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value, GLP) |
| EC50 - Crustacea [1] | 10.8 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| ErC50 algae | 13.1 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP) |

### 12.2. Persistence and degradability

| Wild Ruby Bio-Enzyme | |
|---|---|
| Persistence and degradability | Not established. |

| Nonylphenol Ethoxylate (127087-87-0) | |
|---|---|
| Persistence and degradability | Not readily biodegradable in water, Biodegradable in water. |

| geraniol (106-24-1) | |
|---|---|
| Persistence and degradability | Readily biodegradable in water. |

### 12.3. Bioaccumulative potential

| Wild Ruby Bio-Enzyme | |
|---|---|
| Bioaccumulative potential | Not established. |

| Nonylphenol Ethoxylate (127087-87-0) | |
|---|---|
| BCF - Fish [1] | 7.6 – 12.4 l/kg (6 week(s), Cyprinus carpio, Static system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | 5.67 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). Low potential for bioaccumulation (molecular mass >=700 g/mol). |

| geraniol (106-24-1) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.6 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

### 12.4. Mobility in soil

| Nonylphenol Ethoxylate (127087-87-0) | |
|---|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.631 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value) |
| Ecology - soil | No (test)data on mobility of the substance available. Low potential for adsorption in soil. |

| geraniol (106-24-1) | |
|---|---|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.85 (log Koc, PCKOCWIN v1.66, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

### 12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

Other information : Avoid release to the environment.

## SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecological information : Avoid release to the environment.

## SECTION 14 Transport information

### 14.1. UN number

Not regulated for transport

### 14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated
Proper Shipping Name (TDG) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

### 14.3. Transport hazard class(es)

**DOT**
Transport hazard class(es) (DOT) : Not regulated

**TDG**
Transport hazard class(es) (TDG) : Not regulated

**IMDG**
Transport hazard class(es) (IMDG) : Not regulated

**IATA**
Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

Packing group (DOT) : Not regulated
Packing group (TDG) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

**DOT**
Not regulated

**TDG**
Not regulated

**IMDG**
Not regulated

**IATA**
Not regulated

## SECTION 15 Regulatory information

### 15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|---|---|---|---|---|
| Nonylphenol Ethoxylate | 127087-87-0 | Present | Active | XU |
| geraniol | 106-24-1 | Present | Active | |

### 15.2. International regulations

**CANADA**

**Nonylphenol Ethoxylate (127087-87-0)**

Listed on the Canadian DSL (Domestic Substances List)

**geraniol (106-24-1)**

Listed on the Canadian DSL (Domestic Substances List)

**EU-Regulations**

No additional information available

**National regulations**

No additional information available

### 15.3. State regulations

No additional information available

## SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 3/8/2019

Issue date : 9/3/2025

Other information : None.

| Full text of hazard classes and H-statements | |
|---|---|
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |

Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : B - Safety glasses, Gloves

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.