

Document: RF1500-A  
Release date: Sep 18, 2024

Applies to part numbers:

RF1500

## **Section 1** Product and company identification

Product code: RF1500 Product name: Enhanced Catalyst

Supplier: YamayBio LLC

Address: 12100 Wilshire boulevard suite 800, Los Angeles, CA, USA

Recommended Use: For research use only.

Restrictions on Use: Not for clinical use. Not for internal use in animals or humans. Not for diagnostic use. Not for household or any other unintended use.

## **Section 2** Hazards identification

### EMERGENCY OVERVIEW:

Harmful if swallowed. May cause irritation. Avoid breathing vapors or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

### GHS CLASSIFICATION

Signal Word

DANGER

Hazard pictograms



Hazard Statements

H272-May intensify fire; oxidizer

H302-Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335-May cause respiratory irritation

Precautionary Statements

Prevention

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P220-Keep/ Store away from clothing/ combustible materials

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264-Wash hands thoroughly after handling

P280-Wear protective gloves/ protective clothing/ eye protection/ face protection

Response

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P333+P313- If skin irritation or rash occurs: Get medical advice/ attention

Disposal

P502 - Dispose of contents/ container to an approved waste disposal plant

### HMIS RATING

HEALTH	4
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FLAMMABILITY	3
REACTIVITY	0

For additional information on toxicity, please refer to Section 11.

### **Section 3 Composition/Information on Ingredients**

Ingredient	CAS-No.	EINECS-No.	Weight %
Ammonium persulfate	7727-54-0	231-786-5	5

The product contains no other substances which, at their given concentration, are considered hazardous to health.

### **Section 4 First Aid Measures**

ORAL EXPOSURE	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. If swallowed, wash out mouth with water provided person is conscious. Do NOT induce vomiting. Call a physician.
INHALATION EXPOSURE	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. If necessary, call a physician.
DERMAL EXPOSURE	In case of contact, rinse with plenty of water. Remove contaminated clothing and shoes.
EYE EXPOSURE	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED	
H272 - May intensify fire; oxidizer H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 - May cause respiratory irritation	

### **Section 5 Fire Fighting Measures**

FLASH POINT	N/A
AUTOIGNITION TEMP	N/A
FLAMMABILITY	N/A
EXTINGUISHING MEDIA	
Suitable	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Not suitable	No information available
FIREFIGHTING	Not known

### **Section 6 Accidental Release Measures**

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.
ENVIRONMENTAL PRECAUTIONS	No special environmental precautions required
METHODS AND MATERIAL FOR CONTAINMENT	Take up mechanically, placing in appropriate containers for disposal.

### **Section 7 Handling and Storage**

SAFE HANDLING	Avoid inhalation, contact with eyes and skin. Always wear recommended Personal Protective Equipment.
SAFE STORAGE	Keep container tightly sealed in cool, well-ventilated area. Store in accordance with local regulations.

## **Section 8 Exposure Controls / Personal Protection**

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
Hand	Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.
Eye	Tight sealing safety goggles.
Skin and Body	Wear suitable protective clothing.

GENERAL HYGIENE MEASURES Wash thoroughly after handling.

ENVIRONMENTAL EXPOSURE CONTROLS Avoid discharge into drains and waterways whenever possible.

## **Section 9 Physical and chemical properties**

Appearance Physical State	Liquid
Solvent Content	N/A

## **Section 10 Stability and Reactivity**

STABILITY Stable under recommended storage conditions.

### HAZARDOUS DECOMPOSITION PRODUCT

Hazardous Decomposition Products No data available.

### HAZARDOUS POLYMERIZATION

Hazardous Polymerization No data available.

## **Section 11 Toxicological Information**

### INFORMATION ON TOXICOLOGICAL EFFECTS

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium persulfate	= 495mg/kg (Rat)	> 10000 mg/kg (Rabbit)	>2.95mg/L(Rat)

### PRINCIPAL ROUTES OF EXPOSURE

Skin corrosion/irritation	Skin irritation Serious eye damage/eye irritation
Respiratory or skin sensitization	May cause sensitization by skin contact
Specific target organ toxicity (STOT)–repeated exposure	May cause respiratory irritation
Carcinogenicity	Data are conclusive but insufficient for classification
Germ cell mutagenicity	Data are conclusive but insufficient for classification
Reproductive toxicity	Data are conclusive but insufficient for classification

## **Section 12 Ecological Information**

### TOXICITY

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Microtox Data	log Pow



