



# MYCOPHENOLIC ACID READYMADE™ SOLUTION

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006  
GENERIC EU SDS - NO COUNTRY SPECIFIC OEL DATA

Date of Issue: 2021-07-22  
Revision Number: A/0

### **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

#### **1.1 Product identifier**

Product Identifier : Mycophenolic Acid ReadyMade™ Solution  
Product Number : M121  
CAS Number : **Mycophenolic Acid** : [24280-93-1]  
 : **Sulfobutyl ether β-cyclodextrin** : [182410-00-0]  
EC Number : **Mycophenolic Acid** : [246-119-3]  
 : **Sulfobutyl ether β-cyclodextrin** : [417-710-5]  
REACH Registration Number : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

#### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified Uses : For research use only - restricted to professional users.  
Uses Advised Against : Not for human or animal use

#### **1.3 Details of the supplier of the safety data sheet**

Company : TOKU-E Company  
4112 Bakerview Spur  
Bellingham, WA 98226  
Phone Number : (360) 734-1789  
E-mail Address : info@toku-e.com  
Safety Data Sheet Issued by : TOKU-E Company (USA)

#### **1.4 Emergency telephone number**

Emergency Phone Number (Internat.) : +1 (352) 353-3500 (INFOTRAC, 24-Hour Number)  
Emergency Phone Number (US Only) : 1 (800) 535-5053 (INFOTRAC, 24-Hour Number)

### **SECTION 2: HAZARDS IDENTIFICATION**

#### **2.1 Classification of the substance or mixture**

##### **Classification according to Regulation (EC) No. 1272/2008**

Skin Sensitisation (Category 1), H317  
Germ Cell Mutagenicity (Category 2), H341  
Reproductive Toxicity (Category 1B), H360  
Specific Target Organ Toxicity - Repeated Exposure (Category 1), H372 (Liver, Oral)  
Hazardous to the Aquatic Environment - Acute (Category 3), H402  
Hazardous to the Aquatic Environment - Chronic (Category 3), H412

For the full text of the H-Statements mentioned in this section, see Section 16.

#### **2.2 Label elements**

##### **Labelling according to Regulation (EC) No. 1272/2008**

**Hazard Pictogram(s):**



**Signal Word:** Danger

**Hazard Statement(s)**

H317	May cause an allergic skin reaction
H341	Suspected of causing genetic defects
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

**Precautionary Statement(s)**

P261	Avoid breathing dust/fumes/gas/mist/vapors/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/soap
P333+P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment, see applicable response statements on this label
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container in accordance with governmental regulation
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P260	Do not breathe dust/fumes/gas/mist/vapors/spray.
P264	Wash hands/skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P314	Get medical advice/attention if you feel unwell.

**Supplemental Hazard Information**

No data available

**2.3 Other hazards**

No data available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

Formula	: <b>Mycophenolic Acid</b>	: C <sub>17</sub> H <sub>20</sub> O <sub>6</sub>
	: <b>Sulfobutyl ether β-cyclodextrin</b>	: Not available
Molecular weight	: <b>Mycophenolic Acid</b>	: 320.34 g/mol
	: <b>Sulfobutyl ether β-cyclodextrin</b>	: Not available

**Hazardous ingredients according to Regulation (EC) No. 1272/2008**

Component	Classification	Concentration
<b>Mycophenolic Acid</b>		
CAS Number [24280-93-1]	Muta. 2, H341 Repr. 1B, H360 STOT RE 1, H372 (Liver, Oral)	1.25%
EC Number [246-119-3]	Aquatic Acute 3, H402 Aquatic Chronic 3, H412	
<b>Sulfobutyl Ether β-Cyclodextrin</b>		
CAS Number [182410-00-0]	Skin Sens. 1, H317	5-75%*
EC Number [417-710-5]		

\* The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For the full text of the H-Statements mentioned in this section, see Section 16.

## **SECTION 4: FIRST-AID MEASURES**

### **4.1 Description of first-aid measures**

#### **General information**

Consult a doctor/physician if exposed - additional medical care may be required. Show this safety data sheet to the medical provider.

#### **If inhaled**

If inhaled, move to fresh air. If not breathing, give artificial respiration. Consult a physician.

#### **In case of skin contact**

Wash skin thoroughly with soap and water. Remove any contaminated clothing. Consult a physician.

#### **In case of eye contact**

Flush eye with water. After initial flush, remove any contact lenses and continue flushing for at least 15 minutes.

#### **If swallowed**

Rinse mouth with water. Immediately call a doctor, physician, or poison control center. Never give anything by mouth to an unconscious person.

#### **Self-protection of the first aider**

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent the spread of contamination.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### **4.3 Indication of any immediate medical attention and special treatment needed**

No data available

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

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

#### **Unsuitable extinguishing media**

No data available

### **5.2 Special hazards arising from the substance or mixture**

#### **Hazardous Combustion Products**

Carbon and nitrogen oxides, sulfur oxides

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus if necessary.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Consult the safety measures listed in Section 7 and 8. Use personal protective equipment. Avoid breathing dust, vapors, mist or gas. Avoid direct contact with spilled substances. Ensure adequate ventilation. For personal protection see Section 8.

### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous material.  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

Refer to section 8 for exposure control and personal protection. Refer to section 13 for disposal information.

## **SECTION 7: HANDLING AND STORAGE**

### 7.1 Precautions for safe handling

Avoid exposure: obtain special instructions before use. Avoid contact with skin and eyes.  
Avoid inhalation of vapor or mist.  
For precautionary statements see section 2.2

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

Keep container tightly closed in a dry and well-ventilated place. Protect from humidity.  
Recommended storage temperature: -20 °C  
Protect from light.

#### **Incompatibilities:**

Strong oxidising agents

### 7.3 Specific end use(s)

Refer to section 1.2

## **SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION**

### 8.1 Control parameters

#### **Components with workplace control parameters:**

No OEL data available

### 8.2 Exposure controls

#### **Appropriate engineering controls:**

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

#### **Personal Protective Equipment (PPE):**

##### **Respiratory protection**

Wear respiratory protection. Use type N95 (US) or type P1 (EN 143) dust masks as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the selected EN 374 derived from it.

##### **Eye/Face protection**

Wear eye protection. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### **Body protection**

Wear protective clothing. The type of protective equipment must be selected according to the concentration of the dangerous substance at the specific work place.

### Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

Appearance	:	Clear and colorless solution
Odor	:	No data available
Odor Threshold	:	No data available
pH	:	No data available
Melting Point/Freezing Point	:	No data available
Initial Boiling Point and Range	:	No data available
Flash Point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper/Lower Flammability or Explosive Limits	:	No data available
Vapour Pressure	:	No data available
Vapour Density	:	No data available
Relative Density	:	No data available
Solubility(ies)	:	No data available
Partition Coefficient: n-octanol/water	:	No data available
Auto-Ignition Temperature	:	No data available
Decomposition Temperature	:	No data available
Viscosity	:	No data available
Explosive Properties	:	No data available
Oxidising Properties	:	No data available

### **9.2 Other information**

No additional information relevant to safe use of the substance.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 Reactivity**

No data available

### **10.2 Chemical stability**

Stable under recommended storage conditions

### **10.3 Possibility of hazardous reactions**

No data available

### **10.4 Conditions to avoid**

Exposure to light

### **10.5 Incompatible materials**

Strong oxidising agents

### **10.6 Hazardous decomposition products**

No data available

See Section 5 for hazardous combustion products.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **Acute Toxicity**

Oral LD<sub>50</sub> : Acute Toxicity Estimate (ATE): 4400 mg/kg

**Skin Corrosion/Irritation**

No data available

**Serious Eye Damage/ Eye Irritation**

No data available

**Respiratory or Skin Sensitisation**

No data available

**Germ Cell Mutagenicity**

No data available

**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by the International Agency for Research on Cancer Monograph.

**Reproductive Toxicity**

No data available

**Specific Target Organ Toxicity: Single Exposure**

No data available

**Specific Target Organ Toxicity: Repeated Exposure**

No data available

**Aspiration Hazard**

No data available

**Additional Information**

RTECS: Not available

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

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**12.6 Other adverse effects**

Harmful to aquatic life with long lasting effects

In the absence of complete ecological information, treat product as environmentally hazardous.  
Use proper storage, handling, and disposal to prevent unintentional release into the environment.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

#### **Product**

Offer surplus and non-recyclable products to a licensed disposal company. 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. Avoid disposal of material in drains or sewers. Waste material must be disposed of in accordance with the Directive on Waste 2008/98/EC as well as other national and local regulations.

#### **Contaminated Packaging**

Dispose of as unused product.

## **SECTION 14: TRANSPORT INFORMATION**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1 UN Number</b>	-	-	-
<b>14.2 UN Proper Shipping Name</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.3 Transport Hazard Class(es)</b>	-	-	-
<b>14.4 Packing Group</b>	-	-	-
<b>14.5 Environmental Hazards</b>	No	Marine Pollutant: No	No

### **14.6 Special precautions for user**

No data available

### **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## **SECTION 15: REGULATORY INFORMATION**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### **Authorizations and/or restrictions on use**

Restricted to professional users.

### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out.

## **SECTION 16: OTHER INFORMATION**

#### **Full text of H-Statements referred to under sections 2 and 3**

H317	May cause an allergic skin reaction
H341	Suspected of causing genetic defects
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

### **Abbreviations and acronyms**

ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Road (ADR) and Rail (RID)

CAS No: Chemical Abstracts Service number

EC: European Commission

EC No: European Commission number

EHS: Environmentally Hazardous Substance

EU: European Union

H-Statement: Hazard Statement

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IBC: International Bulk Chemical

IMDG: International Maritime Dangerous Goods Code

LC50: Lethal concentration, 50%

LD50: Median Lethal dose

MARPOL 73/78: International Convention for the Prevention of Pollution from Ships

NIOSH: National Institute for Occupation Safety and Health

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative and Toxic

REACH: Registration, Evaluation, Authorisation and restrictions of Chemicals

RTECS: Registry of Toxic Effects of Chemical Substances

SDS: Safety Data Sheet

UN: United Nations

vPvB: Very Persistent and Very Bioaccumulative

### **Further information**

Revision Date: 2021-07-22

The above information is based upon the present state of our knowledge and is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information is believed to be correct but does not purport to be all inclusive. It does not represent any guarantees of the properties of the product. TOKU-E Company shall not be held liable for damage or injury resulting from contact, handling, or storage of the above product.