



catapowerinc.com

# Safety Data Sheet

Version 1.2

Revision date: 19 May 2023

## Section 1: Identification

### 1.1 Product identifier

Product name: Potassium 2-isocyanoacetate  
Other names: Isocyanoacetic acid, potassium salt  
Product code: 01-09-1001  
CAS number: 58948-98-4

### 1.2 Relevant uses

Recommended use: Laboratory reagent

### 1.3 Supplier details

Manufacturer: Catapower, Inc.  
2265 E. Foothill Blvd.  
Pasadena, CA 91107  
info@catapowerinc.com  
Phone: (626) 657-0386

### 1.4 Emergency telephone number

Emergency phone: (800) 424-9300  
CHEMTREC is available at the number above 24 hours/day, 7 days/week.

## Section 2: Hazard(s) identification

### 2.1 Classification of the substance or mixture

Acute toxicity, oral (category 4)  
Acute toxicity, inhalation (category 4)  
Acute toxicity, dermal (category 4)  
Skin irritation (category 2)  
Eye irritation (category 2A)  
Specific target organ toxicity, single exposure (category 3): respiratory system

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word: Warning

Hazard statement(s)

H302 + H312 + H332 Harmful if swallowed, in contact with skin, or inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust, fumes, gas, mist, vapors, or spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ eye protection/ face protection.

P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P301 + P352 + P312	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P403 + P 233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Hazards not otherwise classified

Lachrymator.

## Section 3: Composition/information on ingredients

### 3.1 Substances

Synonyms	Potassium 2-isocyanoacetate
Formula	$C_3H_2KNO_2$
Molecular weight	123.15 g/mol
CAS number:	58948-98-4

## Section 4: First aid measures

### 4.1 Description of necessary first-aid instructions

General guidance:	Consult a physician. Show this SDS to the doctor in attendance. Move out of the dangerous area.
If inhaled:	Move affected person to fresh air. If not breathing, give artificial respiration. Consult a physician or qualified medical professional.
In case of skin contact:	Wash affected area with soap and water. Consult a physician or qualified medical professional.
In case of eye contact:	Rinse thoroughly with water for at least 15 minutes. Consult a physician or qualified medical professional.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician or qualified medical professional.

### 4.2 Most important symptoms/effects

The most important known symptoms and effects are described in Sections 2 and 11.

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

Not available

## Section 5: Firefighting measures

### 5.1 Suitable extinguishing media

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

## 5.2 Specific hazards arising from the chemical

Combustion may release carbon oxides (CO and CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), potassium oxides, and hydrogen cyanide (hydrocyanic acid).

## 5.3 Recommendations for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6: Accidental release measures

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

Use personal protective equipment as recommended in Section 8. Avoid breathing aerosol or dust. Ensure adequate ventilation. In an emergency, evacuate personnel to safe areas. For personal protective equipment, see Section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

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

Avoid creating dust. Sweep material and store in a suitable closed container for disposal in accordance with Section 13.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid the formation of dust and aerosols. Use personal protective equipment as recommended in Section 8. Avoid breathing aerosol. Avoid contact with skin, eyes, and clothing.

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

Store in a tightly closed container in a dry and well-ventilated space. Storage class 11: Combustible Solids.

## Section 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

No occupational exposure limit value.

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands before breaks and at the end of workday.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

#### Skin protection

For full or incidental contact, nitrile gloves with a minimum layer thickness of 0.11 mm are recommended.

### Body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

When a risk assessment indicates respiratory protection is required, use a full-face respirator with type P95 (US) or type P1 (EN 143) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Solid
Odor:	No data available
Odor threshold:	No data available
pH:	No data available
Melting/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
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Solubility:	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:	

## Section 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under the recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Strong oxidizing agents, strong bases, strong acids, and strong reductants.

**10.6 Hazardous decomposition products.**

See Section 5.

**Section 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

No data available

**Skin corrosion/irritation**

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**

This product is not on OSHA's list of regulated carcinogens.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

Inhalation: May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Section 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulation potential**

No data available

**12.4 Mobility in soil**

No data available

**12.6 Other adverse effects**

No data available

**Section 13: Disposal considerations****13.1 Waste disposal methods**

Must not be disposed in household garbage or in sewer. Dispose of excess product in appropriate containers with a licensed disposal company in accordance with all relevant regulations.

**13.2 Contaminated packaging**

Contaminated packaging should be discarded in the same manner as excess product.

**Section 14: Transport information****14.1 UN number**

3335

**14.2 UN proper shipping name**

Aviation regulated solid, n.o.s. (Potassium 2-isocyanoacetate)

**14.3 Transport hazard class(es)**

9, Miscellaneous dangerous substances and articles

**14.4 Packing group number**

III

**Section 15: Regulatory information****15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture  
SARA 302 components**

This material is not subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 components**

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**

Acute Health Hazard.

**Massachusetts Right To Know components**

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

**California Prop. 65 components**

No components are subject to California Prop. 65.

**Pennsylvania Right To Know components**

Potassium 2-isocyanoacetate (CAS # 58948-98-4)

## **New Jersey Right To Know components**

Potassium 2-isocyanoacetate (CAS # 58948-98-4)

### **Section 16: Other information**

#### **16.1 Disclaimer**

This information supplied in this document is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should make their own investigation to determine the suitability of this information for their particular purposes.