

# Safety Data Sheet

### Identification

#### **GHS Product Identifier**

Product Name: Kovac's Reagent Catolog Number: K170, K980170

### Recommended use of the chemical and restriction on use

For invitro diagnostic use only by trained professionals.

### Supplier's details

KEY SCIENTIFIC PRODUCTS, INC 1113 E REYNOLDS STAMFORD, TX 79553

Telephone:

800-843-1539

325-773-3918

### Hazard(s) identification

#### Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 3), H226

Corrosove to Metals (Category 1), H290

Acute toxicity, Oral (Category 4), H302

Skin corrosion (Category 1B), H314

Acute toxicity, dermal (Category 4) H312

Acute toxicity, inhalation (Category 4), H332

Skin irritation (Category 2), H315

Serious eye damage (Category 1), H318

Serious eye damage (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiatory system, Central nervious system, H335, H336

#### **GHS** label elements

Danger







Flammable liquid and vapour

May be corrosive to metals

Harmful if swallowed

Causes skin irritation

Causes serious eye damage

Causes serious eye irritation

May cause respiratory irritation

May cause drowsiness or dizziness

Causes damage to organs

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Keep only in original container.

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

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

Call a POISON CENTER or doctor/physician.

Call a POISON CENTER or doctor/physician if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

Take offcontaminated clothing and wash before reuse.

In case of fire: Use dry sand, dry chemical or alcohol foam to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container to an approved waste disosal plant.

#### Other hazards which do not result in classification

None.

### 3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Hydrochloric acid	7647-01-0	231-595-7	9.3	
p-Aminbenzoic acid 99%	150-13-0	205-753-0	5	
Butyl alcohol	71-36-3	200-751-6	75	

#### 4 First-aid measures

### Description of necessary first-aid measures

EYES: Rince thoroughly with water for at least 15 minutes and consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Rinse mouth with water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

Skin: Remove contaminated clothing. Wash with plenty of soap and water.

### Fire-fighting measures

### Suitable extinguishing media

Carbondioxide (CO2) foam dry powder

### Specific hazards arising from the chemical

Carbon oxides

### Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting.

#### 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Wear lab coat, gloves, and safety glasses. Avoid dust formation. Avoid breathing vapors, mist, or gas.

Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

#### **Environmental precautions**

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

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

Sweep up and shovel without creating dust. Contain in suitable, closed container for disposal.

#### 7 Handling and storage

#### Precautions for safe handling

Avoid contact with skin and eyes. Avoid dust and aerosol formation. Ensure adequate ventilation. Avoid inhalation of vapor or mist. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

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

Keep container tightly closed in a dry and well-ventillated place.

### 8 Exposure controls/personal protection

#### Control parameters

USA.ACGIH Theshold Limit Values (TLV)

n-butanol

CAS# 71-36-3 TWA 20 ppm C 50 ppm 150 mg/m3

n-butanol CAS# 71-36-3 TWA Control parameters 100 ppm

USA.ACGIH Theshold Limit Values (TLV)

hydrochloric acid CAS# 7647-01-0 C 2 ppm

# Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the day.

### Individual protection measures

Eye/face protection:

Safety glasses with side shields comforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US)

or EN (EU).

Skin protection:

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.

**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:

Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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).

# 9 Physical and chemical properties

Physical and chemical properties

Revision:

1

Form: powder/liquid Appearance:

Color: clear/white

ethanolic Odor:

No data available Odor Threshhold:

No data available pH:

Melting point/range: -90 C (-130 F) Melting point/freezing point:

No data available Melting point:

35C 95 F) - closed cup Flash point:

No data available Evaporation rate:

No data available Flammability:

Upper explotion limit: 11.2% (V) Upper/lower flammability/explosion limits:

Lower explotion limit: 1.4% (V)

No data available Vapor pressure:

No data available Vapor density:

No data available Relative density:

No data available Water solubility:

No data available Partition coefficient (n-octal/water):

No data available Auto-ignition temperature:

No data available Decomposition temperature:

Viscosity: No data available

No data available **Explosive properties:** 

Other safety information

No data available Solubility in other solvents:

No data available Surface tension:

No data available Relative vapor density:

10 Stability and reactivity

Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions

### Possibility of hazardous reactions

Vapors may form explosive mixture with air.

#### Conditions to avoid

Heat, flames, and sparks.

### Incompatible materials

Oxidizing agents, Alkali metals, Ammonia, Acid chlorides, Acid anhydrides

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions-Carbon oxides

Other decomposition products: No data available

In the event of fire: see section 5

## 11 Toxicological information

### Toxicological (health) effects

#### Acute toxicity

LD50 Oral - Rat - 790 mg/kg

#### Inhalation

No data available

#### Dermal

No data available

LD50 Dermal Rabbit - > 880 mg/kg

Remarks: Liver: Other changes. Kidney, Ireter, Bladder: Other changes. Blood: Changes in spleen.

No data available

### Skin corrosion/irritation

Skin - Rabbit: Severe skin irritation - 2 h

### Serious eye damage

Eyes - Rabbit - Severe eye irritation

### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

Ames test

Salmonella typhimurium

Result: negative

### Carcinogenicity

IARC:

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 IARC.

NTP:

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

anticipated carcinogen by NTP.

OSHA:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Reproduction toxicity

No data abailable

### **Developmental Toxicity**

No data abailable

### Specific target organ-single exposure

Inhalation - May cause respiratory irritation

### Specific target organ-repeated exposure

No data available

## Aspiration hazard

No data available

### Additional information

RTECS: QL2800000

Cough, Shortness of breath, Headache, Nausea, Vomiting.

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

Stomach - Irregularities - Based on Human Evidence Kidney - Irregulaties - Based on Human Evidence

## 12 Ecological information

### Toxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

#### Other adverse effects

No data available

### 13 Disposal considerations

#### Disposal methods

#### Product

Contact a licensed professional waste disposal service to dispose of this material.

Offer surplus and non-recyclable solutions to a licensed disposal company.

### Contaminated packaging

Dispose of as unused product.

## 14 Transport information

**UN Number** 

DOT (US)

UN number: 1120 Class: 3 Packing group: III

Proper shipping name: Butanol Solutions

Reportable Quantity: No Posion Inhalation Hazard: No

DOT (US)

UN number: 1789 Class: 3 Packing group: II

Proper shipping name: Hydrochloric Acid

Reportable Quantity: RQ Posion Inhalation Hazard: No

IMDG

UN number: 17890 Class: 8 Packing group: II EMS-No: F-A, S-B

Proper shipping name: Hydrochloric Acid

IMDG

UN number: 1120 Class: 3 Packing group: III EMS-No: F-E, S-D

Proper shipping name: Butanol Solutions

IATA

UN number: 1120 Class: 3 Packing group: III

Proper shipping name: Butanol Solutions

UN number: 1789 Class: 8 Packing group: II

Proper shipping name: Hydrochloric Acid

## 15 Regulatory information

Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in the material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, section 313:

CAS-No. Revision Date

Hydrochloric Acid 7647-01-0 2013-02-08

CAS-No. Revision Date

n-butanol 71-36-3 2007-07-01

SARA 311/312 Hazards

Date of Preparation: 9/8/2022 2:13:42 PM Revision:

### 16 Other information

#### Other information

#### **Further Information**

The above information, to the best of our knowledge, is accurate. Key Scientific Products assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of materials is the sole resposibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

Date of Preparation: 9/8/2022 2:13:42 PM