

# Safety Data Sheet

Material Name Coagpia™ Buffer

MsdsId CA-120

## \* \* \*Section 1 - IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING\* \* \*

### 1.1 Product Identifier:

Material Name: Coagpia™ Buffer

Catalog No. 491528

### Substance Registration Number(s)

This product and its components are not subject to REACH.

### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against Identified Uses

in vitro diagnostic use

### Uses Advised Against

Use in accordance with supplier's recommendations.

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

Sekisui Medical Co., Ltd.  
KDX-Nihonbashi Building, 3-13-5  
Nihonbashi, Chuo-ku,  
Tokyo 103-0027, Japan  
Phone: +81-3-3272-0679

#### European Distributors:

Sekisui Diagnostics (UK) Ltd.  
50 Gibson Drive, Kings Hill, West Malling  
Kent ME19 4AF UK  
www.sekisuidiagnostics.com  
Phone: 44 (0) 1732 220022

SekisuiVirotech GmbH  
Loewenplatz 5, 65428 Ruesselsheim  
Germany  
www.sekisuivirotech.com  
Phone: 0049172 6167673

## \* \* \*Section 2 - HAZARDS IDENTIFICATION\* \* \*

### 2.1 Classification of the Substance or Mixture

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

No classification is assigned, based on classification criteria. Review the entire data sheet for any additional information which did not result in a GHS classification.

#### Classification according to Directives 67/548/EEC and/or 1999/45/EC

No classification is assigned, based on classification criteria. Review the entire data sheet for any additional information which did not result in a GHS classification.

### 2.2 Label Elements

Labeling according to Regulation (EC) 1272/2008/EC:

#### Symbol(s)

None needed according to classification criteria.

#### Signal Word

None needed according to classification criteria.

#### Hazard Statement(s)

None needed according to classification criteria.

#### Precautionary Statement(s)

#### Prevention

None needed according to classification criteria.

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## Response

None needed according to classification criteria.

## Storage

None needed according to classification criteria.

## Disposal

Dispose in accordance with all applicable regulations.

## Labelling according to Directive 67/548/EEC and/or 1999/45/EC

None needed according to classification criteria.

## 2.3 Other Hazards

None known.

## \* \* \*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\* \* \*

CAS EC No Registration No	Component Synonyms	67/548 EEC (DSD)	1272/2008 (CLP)	Percent
7365-45-9 230-907-9 --	1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-			<5
1937-19-5 217-707-7 --	Hydrazinecarboximidamide, monohydrochloride			<5
1310-73-2 215-185-5 --	Sodium hydroxide	C; R:35	Skin Corr. 1A	0.5
Proprietary -- --	ProClin 300			0.05

## \* \* \*Section 4 - FIRST AID MEASURES\* \* \*

### 4.1 Description of First Aid Measures

#### Inhalation

If adverse effects occur, remove to uncontaminated area. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention.

#### Skin

Wash with plenty of soap and water. Seek medical attention if irritation develops.

#### Eyes

Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. If irritation or pain persists after fifteen minutes of eye irrigation, seek medical attention.

#### Ingestion

If swallowed, get medical attention.

### 4.2 Most Important Symptoms and Effects, both Acute and Delayed

#### Acute

No information available for the product.

#### Delayed

No information available for the product.

### 4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

#### Note to Physicians

Treat symptomatically and supportively.

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## \* \* \*Section 5 - FIRE FIGHTING MEASURES\* \* \*

### 5.1 Extinguishing Media

Use extinguishing agents appropriate for surrounding fire.

### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### 5.2 Special Hazards Arising from the Substance or Mixture

Negligible fire hazard.

### 5.3 Advice for Firefighters

#### Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out.

#### Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective clothing.

## \* \* \*Section 6 - ACCIDENTAL RELEASE MEASURES\* \* \*

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### 6.2 Environmental Precautions

Avoid release to the environment.

### 6.3 Methods and Material for Containment and Cleaning up

Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

### 6.4 Reference to Other Sections

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

See Section 13 for Disposal Considerations.

## \* \* \*Section 7 - HANDLING AND STORAGE\* \* \*

### 7.1 Precautions for Safe Handling

Wash thoroughly after handling.

### 7.2 Conditions for Safe Storage, Including any Incompatibilities

Store and handle in accordance with all current regulations and standards.

### 7.3 Specific End Use(s)

None known.

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## \* \* \*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\* \* \*

### 8.1 Control Parameters

#### Component Exposure Limits

##### Sodium hydroxide (1310-73-2)

<b>Austria:</b>	2 mg/m <sup>3</sup> TWA (inhalable fraction)
	4 mg/m <sup>3</sup> STEL (inhalable fraction, 8 X 5 min)
<b>Denmark:</b>	2 mg/m <sup>3</sup> Ceiling
<b>Finland:</b>	2 mg/m <sup>3</sup> STEL
	2 mg/m <sup>3</sup> Ceiling
<b>France:</b>	2 mg/m <sup>3</sup> TWA
<b>Greece:</b>	2 mg/m <sup>3</sup> TWA
	2 mg/m <sup>3</sup> STEL
<b>Ireland:</b>	2 mg/m <sup>3</sup> STEL
<b>Portugal:</b>	2 mg/m <sup>3</sup> Ceiling [VLE-CM]
<b>Spain:</b>	2 mg/m <sup>3</sup> STEL [VLA-EC]
<b>Sweden:</b>	1 mg/m <sup>3</sup> LLV (inhalable dust)
	2 mg/m <sup>3</sup> CLV (inhalable dust)
<b>United Kingdom:</b>	2 mg/m <sup>3</sup> STEL
	2 mg/m <sup>3</sup> Ceiling

#### Biological Limit Value

There are no biological limit values for any of this product's components

#### Derived No Effect Levels (DNELs)

No DNELs available.

#### Predicted No Effect Concentrations (PNECs)

No PNECs available.

### 8.2 Exposure Controls

#### Engineering Controls

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

#### Eye / Face Protection

Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

#### Skin Protection

Wear appropriate chemical resistant clothing.

#### Glove Recommendations

Wear appropriate chemical resistant gloves.

#### Respiratory Protection

Approved respirators should be worn when airborne concentrations are expected to exceed occupation exposure limits.

Follow the respiratory regulations found in European Standard EN 149.

#### Environmental Exposure Controls

Avoid release to the environment.

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## \* \* \*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\* \* \*

### 9.1 Information on Basic Physical and Chemical Properties

Physical State:	Liquid	Appearance:	Clear liquid
Physical Form:	Liquid	Odor:	Not Available
Odor Threshold:	Not available	pH:	Not available
Melting Point:	Not available	Boiling Point:	Not available
Flash Point:	Not available	Decomposition:	Not available
Evaporation Rate:	Not available	LEL:	Not available
UEL:	Not available	Vapor Pressure:	Not available
Vapor Density (air = 1):	Not available	Density:	Not available
Specific Gravity (water = 1):	Not available	Water Solubility:	Not available
Log KOW:	Not available	Coeff. Water/Oil Dist:	Not available
Auto Ignition:	Not available	Viscosity:	Not available

### 9.2 Other Information

## \* \* \*Section 10 - STABILITY AND REACTIVITY\* \* \*

#### 10.1 Reactivity

No reactivity hazard is expected.

#### 10.2 Chemical Stability

Stable at standard temperatures and pressure.

#### 10.3 Possibility of Hazardous Reactions

Will not polymerize.

#### 10.4 Conditions to Avoid

None known.

#### 10.5 Incompatible Materials

None known.

#### 10.6 Hazardous Decomposition Products

No information available for the product.

## \* \* \*Section 11 - TOXICOLOGICAL INFORMATION\* \* \*

#### 11.1 Information on Toxicological Effects

##### Acute and Chronic Toxicity

##### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

##### Sodium hydroxide (1310-73-2)

Dermal LD50 Rabbit 1350 mg/kg

##### Irritation / Corrosivity

No information available for the product.

##### Respiratory Sensitization

No information available for the product.

##### Skin Sensitization

No information available for the product.

##### Germ Cell Mutagenicity

No information available for the product.

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## Carcinogenicity

### Component Carcinogenicity

None of this product's components are listed by IARC or DFG.

## Reproductive Toxicity

No information available for the product.

## Specific Target Organ Toxicity - Single Exposure

No target organs identified.

## Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

## Aspiration Hazard

No information available for the product.

## \* \* \*Section 12 - ECOLOGICAL INFORMATION\* \* \*

### 12.1 Toxicity

#### Component Analysis - Aquatic Toxicity

##### Sodium hydroxide (1310-73-2)

Fish: 96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]

### 12.2 Persistence and Degradability

No information available for the product.

### 12.3 Bioaccumulative Potential

No information available for the product.

### 12.4 Mobility in Soil

No information available for the product.

### 12.5 Results of PBT and vPvB Assessment

No information available.

## EU - Interim Strategy for Management of PBT and vPvB Substances (PBT Assessments)

No components of this material are listed.

### 12.6 Other Adverse Effects

No information available.

## \* \* \*Section 13 - DISPOSAL CONSIDERATIONS\* \* \*

### 13.1 Waste Treatment Methods

Dispose in accordance with all applicable regulations.

## \* \* \*Section 14 - TRANSPORT INFORMATION\* \* \*

## Transportation

Not regulated as a hazardous material for transportation.

## International Bulk Chemical Code

This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

##### Sodium hydroxide (1310-73-2)

IBC Code: Category Y (solution)

## \* \* \*Section 15 - REGULATORY INFORMATION\* \* \*

### 15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

## EU - REACH (1907/2006) - Annex XIV List of Substances Subject to Authorisation

No components of this material are listed.

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## EU - REACH (1907/2006) - Article 59(1) Candidate List of Substances Subject to Authorisation

No components of this material are listed.

## EU - REACH (1907/2006) - Annex XVII Restrictions of Certain Dangerous Substances, Mixtures and Articles

No components of this material are listed.

## EU - REACH (1907/2006) - Potential Substances of Very High Concern

No components of this material are listed.

## EU - Biocides (1451/2007) - Existing Active Substance

**Sodium hydroxide (1310-73-2)**

EU Biocidal Present

## EU - REACH (1907/2006) - Article 15(2) - Substances Regarded as Being Registered - Biocidal Products

No components of this material are listed.

## Germany Regulations

### Germany Water Classification

**1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)- (7365-45-9)**

ID Number 4182, hazard class 1 - low hazard to waters

**Sodium hydroxide (1310-73-2)**

ID Number 142, hazard class 1 - low hazard to waters (footnote 8)

## Denmark Regulations

### Environmental Protection Agency List of Undesirable Substances

No components of this material are listed.

## Substance Analysis - Inventory

Component	CAS	EEC
1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-	7365-45-9	EIN
Hydrazinecarboximidamide, monohydrochloride	1937-19-5	EIN
Sodium hydroxide	1310-73-2	EIN

## 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the substance/mixture.

## \* \* \*Section 16 - OTHER INFORMATION\* \* \*

### 16.1 Indication of changes

New SDS: February 24, 2012

### 16.2 Key / Legend

ADR - European Road Transport; CAS No. - Chemical Abstract Service Registry Number; CLP - Classification, Labelling and Packaging; EINECS - European Inventory of Existing Commercial Chemical Substances; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC Code - International Bulk Chemical Code; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; LC50 - Lethal Concentration, 50%; LD50 - Lethal Dose, 50%; LEL - Lower Explosive Limit; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - European Rail Transport; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit

### 16.3 Key literature references and sources for data

Available upon request

### 16.4 Methods used for classification of mixture according to Regulation (EC) No 1272/2008

Available upon request

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## 16.5 Full text of R phrases in Section 3

R35 Causes severe burns.

## 16.6 Training Advice

Read the Safety Data Sheet before handling product.

## 16.7 Other Information

**Disclaimer:** Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.

End of Sheet CA-120