

SAFETY DATA SHEET

Potassium hydrogen phthalate

Version 1.0 Revision 0
Revision Date: 06/01/2020
Page 1 of 6

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : COD Standard (Potassium hydrogen phthalate), 1–2,000ppm
Trade Name : COD calibration standard solution (KHP), XXXXppm
Chemical Name : Potassium hydrogen phthalate
Molecular Weight : 204.22 g/mol
Chemical Family : Acidic Salt
Manufacturer's code : C-SA-B04-3XXXX
Identified uses : Laboratory chemicals, TOC standard solution

1.2 Company Identification

Manufacturer Name : Centronics Sdn Bhd
Distributors Name & Address : Centronics Sdn Bhd
Centronics Systems & Services Sdn Bhd
No. 23, Jalan Sungai Jerluh 32/196
Seksyen 32, Bukit Kemuning
40460 Shah Alam, SEL
Emergency Number : 603-5525 2568
Fax : 603-5131 5668

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008
This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Hazard statements

Risk Phrase (R)

R20/R21/22 Harmful by inhalation, in contact with skin and if swallowed
R36 Irritating to eyes

2.4 Precautionary statements

Safety phrases (S)

S36 Wear suitable protective clothing
S7 Keep container tightly closed

SAFETY DATA SHEET

Potassium hydrogen phthalate

Version 1.0 Revision 0
 Revision Date: 06/01/2020
 Page 2 of 6

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS #	Proportion Min. (%)	Proportion Max. (%)
Potassium hydrogen phthalate	877-24-7	0.01%	2.13
Water	7732-18-5	99.99%	97.87

SECTION 4: FIRST AID MEASURES

Description of first aid measures

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

Nature of decomposition products not known.

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

No data available

SAFETY DATA SHEET

Potassium hydrogen phthalate

Version 1.0 Revision 0
Revision Date: 06/01/2020
Page 3 of 6

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak/Spills:

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Suitable PPE and safe environment

7.2 Conditions for safe storage, including any incompatibilities

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

Recommended storage temperature: 2 - 8 °C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limit : Components with workplace control parameters

8.2 Personal protection :

Eye/face protection

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

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

Respiratory protection not required.

8.3 Ventillation : Well-ventillated

SAFETY DATA SHEET

Potassium hydrogen phthalate

Version 1.0 Revision 0
 Revision Date: 06/01/2020
 Page 4 of 6

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Form: clear, liquid Colour: colourless
Odour	: No data available
Solubility	: Soluble in water
pH	: 5 – 6
Boiling Point	: 100 °C at 1.013 hPa
Melting Point	: No data available
Vapour Pressure (mm of Hg at 25°C)	: No data available
Percentage Volatiles	: No data available
Evaporation Rate	: No data available
Vapour Density	: No data available
Specific Gravity	: No data available
Flash point	: No data available
Autoignition temperature	: No data available
Flammable limit (%) and other properties if applicable.	: No data available

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid	: No data available
Incompatible materials	: Strong oxidizing agents
Decomposition hazardous	: No data available
Hazardous polymerization	: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity data	
Inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	: May be harmful if swallowed.
Skin	: May be harmful if absorbed through skin.
Eyes	: May cause eye irritation.
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 IARC.
Reproductive effect	: No data available
Effects of overexposure	: No data available

SAFETY DATA SHEET

Potassium hydrogen phthalate

Version 1.0 Revision 0
Revision Date: 06/01/2020
Page 5 of 6

Chronics effects : No data available

Specific target organ : No data available

SECTION 12: ECOLOGICAL INFORMATION

Mobility : No data available

Bioaccumulation : No data available

Biodegradability : No data available

Toxicity : No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Product

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

Contaminated packaging

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

UN number

ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

No data available

SAFETY DATA SHEET

Potassium hydrogen phthalate

Version 1.0 Revision 0
Revision Date: 06/01/2020
Page 6 of 6

SECTION 15: REGULATORY INFORMATION

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

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

No data available

Chemical safety assessment

No data available

SECTION 16: OTHER INFORMATION

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

No data available

Creation Date: 06/01/2020

Revision of the SDS: Revision 0

Disclaimer:

The information contained herein is based upon technical data that we believe to be reliable, are offered for information purposes only and as a guide to the appropriate precautionary and emergency handling of the material by a properly trained person having the necessary skills. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use, storage and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

CENRIONICS MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, WITH RESPECT TO THE INFORMATION HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

END OF SAFETY DATASHEET