SAFETY DATA SHEET

1st Edition: 05 Feb 2018
3rd Edition: 07 Sep 2026

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: CRP Calibrator
Product code: CR-CAL

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

Calibrator for Nihon Kohden Automated Hematology and Clinical Chemistry

1.3 Details of the supplier of the safety data sheet

Nihon Kohden Corporation
1-31-4 Nishiochiai, Shinjuku-ku, Tokyo 161-8560, Japan
Tel: +81 3-5996-8041
Fax: +81 3-5996-8085

1.4 Emergency telephone number

+1 800-424-9300; CHEMTREC (US)
+1 613-996-6666; CANUTEC (Canada)
+81 3-5996-8022 (Outside US and Canada)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not classified

2.2 Label elements

Hazard pictogram: None
Signal word: None
Hazard statements: None
Precautionary statements: None
Additional information: EUH032 Contact with acids liberates very toxic gas.

2.3 Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical Name	Concentration or Its Ranges	CAS Number	EC Number REACH Registration No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Human or animal sourced material	90 to 100%	68070-90-6	268-338-3	—
Preservative or other non-hazardous component	0 to 10%	—	—	—
Sodium azide	< 0.1%	26628-22-8	247-852-1	Acute Tox. 2; H300 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: This product is nonvolatile. No risk of inhalation.
Skin contact: Immediately wash with soap and running water and see a physician.
Eye contact: Wash thoroughly with running water and see a physician.
Ingestion: Wash the mouth thoroughly with water, do not force vomiting and see a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water, powder extinguisher, foam extinguisher

Unsuitable extinguishing media: No data available

5.2 Special hazards arising from the substance or mixture

The product is nonflammable, but when fire occurs, immediately remove the product away from fire

5.3 Advice for firefighters

Aqueous solutions is nonflammable, but when fire occurs, spray extinguishing media.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

To avoid skin contact, wear protection such as gloves, mask, protective clothing and goggles when handling.

6.2 Environmental precautions

Do not drain the product into public drainage or waterway.

6.3 Methods and material for containment and cleaning up

Clean with domestic detergent (about 5% sodium hypochlorite), wipe with a disposable towel and dispose of the used towel as medical waste.

6.4 Reference to other sections

See “SECTION 8: Exposure controls/personal protection” and “SECTION 13: Disposal considerations”.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures: Wear appropriate protective gear for eyes and skin.

Precautions: Only use the product in prescribed facilities and procedures.
Do not inject or drink the product.
When dispensing, use mechanical pipetting device. Do not pipette by mouth.
Not to contact with eyes and skin, wear protection.

Hygiene measures: Do not eat, drink or smoke while handing the product. Wash hands thoroughly after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store at temperatures between 2 and 8°C (36 to 46°F)

Packing material: Polyurethane Foam, Paper

Container material: Polypropylene (PP), Ethylene propylene diene rubber (EPDM)

7.3 Specific end use(s)

No relevant information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	ACGIH (TLV)	OSHA (PEL)
Sodium azide	STEL: (as Sodium azide) 0.29 mg/ m^3; (as Hydrazoic acid vapor) 0.11ppm (Card impair; lung dam)	Not applicable

8.2 Exposure controls

Appropriate engineering controls

Washing and drainage. No need for a special ventilation system.

Individual protection measures

Eye/face protection:	Wear eye protection/face protection.
Skin protection:	Wear protective gloves. Wear protective clothing.
Respiratory protection:	If necessary, wear respiratory protection.
Thermal hazards:	No data available

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Colorless to pale yellow
Odor:	None
Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	Noncombustible
Lower and upper explosion limit:	No data available
Flash point:	No data available
Auto-ignition temperature:	Noncombustible
Decomposition temperature:	No data available
pH:	Neutrality
Kinematic viscosity:	No data available
Solubilities:	No data available
Partition coefficient n-octanol/water:	No data available
Vapour pressure:	No data available
Density and/or relative density:	No data available
Relative vapour density:	No data available
Particle characteristics:	No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable when stored at temperatures between 2 and 8°C (35 and 46°F), until expiration date.

10.3 Possibility of hazardous reactions

Explosive substance is created when sodium azide comes in contact with metals. (The product includes less than 0.1% of sodium azide).

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Metal or metallic compound (The product includes less than 0.1% of sodium azide).

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (Oral):	Category 2: 26628-22-8 (Orl-rat LD_{50} 45 mg/kg) Classification result: Not classified
Acute toxicity (Dermal):	Unable to classify due to insufficient data.
Acute toxicity (Inhalation: gas):	Unable to classify due to insufficient data.
Acute toxicity (Inhalation: vapour):	Unable to classify due to insufficient data.
Acute toxicity (Inhalation: dust/mist):	Unable to classify due to insufficient data.
Skin corrosion/irritation:	Unable to classify due to insufficient data.
Serious eye damage/eye irritation:	Unable to classify due to insufficient data.
Respiratory sensitisation:	Unable to classify due to insufficient data.
Skin sensitisation:	Unable to classify due to insufficient data.
Germ cell mutagenicity:	Unable to classify due to insufficient data.
Carcinogenicity:	Unable to classify due to insufficient data.
Reproductive toxicity:	Unable to classify due to insufficient data.
STOT-single exposure:	Unable to classify due to insufficient data.
STOT-repeated exposure:	Unable to classify due to insufficient data.
Aspiration hazard:	Unable to classify due to insufficient data.

11.2 Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment short-term (Acute):

Category 1: 26628-22-8

(M × 10 × Category 1) + Category 2 < 25%

Classification result: Not classified

Hazardous to the aquatic environment long-term (Chronic):

Category 1: 26628-22-8

(M × 100 × Category 1) + (10 × Category 2) + Category 3 < 25%

Classification result: Not classified

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

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Hazardous to the ozone layer: No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste of the remainder:	Dispose of the product according to your local laws and your facility's guidelines for waste disposal.
Pollution container and wrapping:	Dispose of the product according to your local laws and your facility's guidelines for waste disposal.

SECTION 14: Transport information

14.1 UN number or ID number

Not regulated

14.2 UN proper shipping name

Not regulated

14.3 Transport hazard class (es)

Not regulated

14.4 Packing group

Not regulated

14.5 Environmental hazards

Not regulated

14.6 Special precautions for user

Make sure that there is no damage or leakage on the product containers. Do not turn over, drop or damage the product containers when loading. Tiedown the product containers to prevent load shifting.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

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

Annex XVII Restrictions of Certain Dangerous Substances, Mixtures and Articles

15.2 Chemical safety assessment

See “SECTION 8: Exposure controls/personal protection” and “SECTION 11: Toxicological information”.

SECTION 16: Other information

Abbreviations and acronyms

ACGIH:	American Conference of Governmental Industrial Hygienists
TLV:	Threshold Limit Values
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limits
STEL:	Short-Term Exposure Limits
Acute Tox. 2:	Acute toxicity Category 2
Aquatic Acute 1:	Hazardous to the aquatic environment short-term (Acute) Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment long-term (Chronic) Category 1
H300	Fatal if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Literature references

NITE GHS

ECHA

EU CLP Regulation, AnnexVI

Amendment

This safety data sheet has been revised in accordance with REACH (EC 1907/2006) and CLP (EC 1272/2008) regulations.

Changes made in the most recent edition are indicated by a bar in the left margin of each page.

This data sheet is complete and accurate to the best of our knowledge but all information may not be covered. Any product may contain unknown harmful substances. This product must be handled carefully and used under the responsibility of the user, taking appropriate safety measures.