Safety Data Sheet

Reference No. 1062

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1. Chemical product and company identification

Product name PACKTEST Nickel (DPM) Model WAK-Ni(D)

Company name KYORITSU CHEMICAL-CHECK Lab., Corp.
Address 1-18-2 Hakusan, Midori-ku, Yokohama, Kanagawa 226-0006, JAPAN
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Recommended uses and restrictions Reagent for water quality measurement

2. Hazards identification

[GHS Classification**]**
Physical hazards: Classification not possible (no data for GHS classification available)

Health hazards:
Serious eye damage/eye irritation: Category 2B

For those health hazards not listed above are not classified or classification not possible
(no data for GHS classification available)

Environmental hazards:
Hazardous to the aquatic environment, short-term (acute): Classification not possible
Hazardous to the aquatic environment, long-term (chronic): Classification not possible
Harmful effects on the ozone layer: Classification not possible
(no data for GHS classification available)

[GHS labeling elements**]**
None

[Signal word**]**
Warning

[Hazard statements**]**
Causes eye irritation.

[Precautionary statements**]**
Keep out of reach of children and store in the dry and dark place at temperature.
Carefully read instructions before use and do not use for other purposes.
Wear personal protective equipment if necessary.
Do not inhale reagents.
Wash contaminated clothing.
Wash hands thoroughly before and after handling.
Avoid release to the environment.

3. Composition/ information on ingredients

Discrimination of single substance or mixture: Mixture

Reagent name	K-1 reagent		
Chemical name	1,2-Cyclohexanedione Dioxime	Other (not regulated)	Polyethylene
Content	< 1%	< 12%	> 87%
Chemical formula	C6H10N2O2	-	(C2H4)n
METI No. (reference number under CSCL in Japan)	-	-	(6)-1
CAS No.	492-99-9	-	9002-88-4

4. First-aid measures

If reagents or developed sample;
Enter in eyes: Immediately rinse thoroughly.
Contact with skin: Immediately wash out contaminated site with plenty of water.
Enter into mouth: Immediately rinse mouth with plenty of water.

If ingested or in case any symptoms appear after above measures, immediately get medical advice or treatment.

5. Fire-fighting measures

Extinguishing methods: Cut off ignition sources and extinct by a suitable media.
Suitable extinguishing media: Water (mist), powder, carbon dioxide and dry sand.

6. Accidental release measures

In case of outdoor use: Avoid spill of reagents and waste solutions.
In case of indoor use: If spilled on a table or floor, wipe off immediately spilled reagents and dispose of them.

7. Handling and storage

Handling: Care should be made so that reagents will not contact with eyes or skin and to avoid ingestion.
Especially for outdoor use, ensure to bring back reagents, waste solutions after the measurement and used containers.
Storage: Avoid direct sunlight and store in a well-ventilated, dry and dark place at temperature.

8. Exposure controls and personal protection

Administrative control level
Working environment standard: Not established

Occupational exposure limits
Japan Society for Occupational health: Not established
ACGIH (TLVs): Not established
OSHA (PEL): Not established

Protective equipment: Recommend to wear protective glasses and gloves

9. Physical and chemical properties

Physical state:	Tube containing powder reagent	1.1 g x 50 tubes/kit	(5 tubes per one aluminum laminated packaging)
Color:	White (powder), semi-transparent (polyethylene tube)		
Odor:	No odor		
pH:	4		

Melting point, boiling point, flash point, ignition point, lower explosion limit, vapor pressure, density, relative density, solubility, Pow, kinetic viscosity: not available as a mixture

10. Stability and reactivity

Avoid leaving in a place where high temperature, humid or under direct sunlight. Stable under normal use conditions and no dangerous reactions under specific conditions are expected. No information on hazardous decomposition product is available.

11. Toxicological information

No data on mixture is available. Data on each substance are shown below.

1,2-Cyclohexanedione Dioxime, Polyethylene: No data regarding health hazard is available.

GHS classifications as a mixture are shown below.

[Serious eye damage/ eye irritation]

The content of Category 2B substance is Contain $\geq$ 3%:
classified as Category 2B (Warning, Causes eye irritation.)

[Acute toxicity (oral)], [Acute toxicity (inhalation)], [Acute toxicity (dermal)], [Skin corrosion/ irritation], [Respiratory or skin sensitization], [Germ cell mutagenicity], [Carcinogenicity], [Reproductive toxicity], [Specific target organ toxicity (single exposure)], [Specific target organ toxicity (repeated exposure)], [Aspiration hazard]

Not classified or classification is not possible because of data lack.

12. Ecological information

No data on mixture is available. Data on each substance are shown below.

1,2-Cyclohexanedione Dioxime, Polyethylene: No eco-toxicological information is available.

GHS classifications as a mixture are shown below.

[Hazardous to the aquatic environment, short-term (acute)],
[Hazardous to the aquatic environment, long-term (chronic)]
Classification is not possible because of data lack.
[Harmful effects on the ozone layer]:
Classification is not possible because each of the substances is not described in Annex to Montreal Protocol.

13. Disposal considerations

pH of waste solution in tube is 4(acid).
Always dispose of in according with local regulations.

14. Transport information

In addition to precautionary measures regarding handling and storage, avoid rough handling so as not to break containers. It is recommended to ship by air because under high temperature for long period may lead to deterioration.

UN classification and number:	Not applicable
Civil Aeronautics Act:	Not applicable
Fire Service Act:	Not applicable
Total weight of the product:	ca.140 g/kit

15. Regulatory information

Poisonous and Deleterious Substances Control Act:	Not applicable
PRTR Act:	Not applicable
Industrial Safety and Health Act:	Not applicable

16. Other information

Reference literature

Material Safety Data Sheet No.JW030505, Wako Pure Chemical Industries, Ltd. (2009.05.15)
Safety Data Sheet No. A5111003300, TOSOH CORPORATION (2023.9.27)
Koukuu Kikenbutsu Yusou Houreisyu, Ed. MLIT, HOUBUN SHORIN CO., LTD. (2019)
JIS Z 7252:2019 Classification of chemicals based on “Globally Harmonized System of Classification and Labelling of Chemicals (GHS)” (Japanese Industrial Standards Committee)
JIS Z 7253:2019 Hazard communication of chemicals based on GHS-Labelling and Safety Data Sheet (SDS) (Japanese Industrial Standards Committee)
UN GHS (tentative translation, forth revised version), GHS Kankei Syocho Renraku Kaigi (2011)
Ministry of Economy, Trade and Industry, GHS Classification Guidance for Enterprises 2013 Revised Edition (2013)

NOTE) This information is not always exhaustive and use with care.
This data sheet only provides information but any description cannot be warranted.
Descriptions may possibly be changed because of new findings or modification of the current knowledge.
Precautions only cover normal handling.
This English SDS is prepared in the cooperation with the Chemicals Evaluation and Research Institute (CERI), Japan.