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Safety Data Sheet

1. Product and company identification

Product name	:	Potassium formate
Name of manufacturer	:	KANTO CHEMICAL CO., INC.
Address	:	2-1, Nihonbashi, Muromachi 2-Chome, Chuo-Ku, Tokyo, 103-0022, Japan
Name of section	:	Business Administration Department, Reagent Division
Telephone number	:	+81-3-6214-1090
Facsimile number	:	+81-3-3241-1047
Mail address	:	BC32@kanto.co.jp
SDS No.	:	32341
Product numbers applied by the SDS	:	32341, 32878

2. Summary of danger and Hazard

GHS classification : Not applicable

3. Composition/Information on ingredients

Substance/Mixture	:	Substance
Chemical name or commercial name	:	Potassium formate
Ingredients and composition	:	Potassium formate min. 90.0%
Chemical formula	:	HCOOK
CAS No.	:	590-29-4
TSCA Inventory	:	Registered
EINECS No.	:	2096779

4. First aid measures

Inhalation	:	Remove the victim to fresh air, and make him blow his nose and gargle.
Skin contact	:	Wash the affected areas under running water.
Eye contact	:	Wash the affected areas under running water.
Ingestion	:	Give the victim water or salt water and induce vomiting. If necessary, get medical attention.

5. Fire fighting measures

Extinguishing media	:	Water, dry chemical powder, carbon dioxide, dry sand, foam
Prohibited extinguishing media	:	None
Particular fire fighting	:	Move containers from fire area if it can be done without risk, if not possible, apply water from a safe distance to cool and protect surrounding area.
Protection for firefighters	:	Firefighters should wear protective equipment.

6. Accidental release measures

Cautions for personnel : Wear proper equipment and avoid contact with skin and inhalation of dust. Keep away personnel except for authorized ones from spillage area by stretching ropes.

Cautions for environment : Attention should be given not to cause damage to the environment by flowing of spillage to rivers. In case of the dilution of copious water, do not cause damage to the environment by untreated wastewater.

Removal measure : Sweep up the chemical and place in a chemical waste container.

7. Cautions of handling and storage

Handling

Engineering measures : If necessary, wear proper protective equipment not to contact with skin or inhale the dust.

Cautions for safety handling

: Handle the chemical not to generate aerosol or dust.

Storage

Adequate storage condition

: Store the bottle tightly closed in a cool, dark place because the substance has hygroscopic property.

Safety adequate container materials

: Glass, polyethylene, polypropylene

8. Exposure control/Personal protection

Engineering measures : Install a local ventilation system under dusty condition.

Control parameters

ACGIH(2009) : Not established

Protective equipment

Respiration protective equipment

: If necessary, wear dust mask

Hands protective equipment

: Impervious protective gloves

Eyes protective equipment

: Safety goggles

9. Physical and chemical properties

Appearance	: Crystal
Color	: White
Odor	: Characteristic odor
pH	: 7.0-9.0(0.2mol/L, 25℃)
Boiling point	: Decomposition
Melting point	: 167.5℃
Flash point	: Noncombustible
Specific gravity	: 1.91g/mL(20℃)

Solubility

Solubility in solvents : Water ; 76.8%(20℃)

Organic solvents ; Slightly soluble in ethanol, insoluble in diethyl ether.

10. Stability and reactivity

Stability : Stable under normal usage.
Reactivity : May react with oxidizing substances.
Incompatible conditions : Light, heat

11. Toxicological information

Acute toxicity : Oral : No classification
Dermal : Classification not possible
Inhalation(vapor) : Classification not possible
Inhalation(dust, mist) : Classification not possible
rat oral LD50=5500mg/kg

Skin corrosiveness : No classification
Since pH of the aqueous solution is neutral, it was set into "No classification".

Irritation to skin, eyes : Classification not possible

Respiratory sensitization or Skin sensitization
: Respiratory sensitization : Classification not possible
Skin sensitization : Classification not possible

Germ cell mutagenicity : Classification not possible

Carcinogenicity : Classification not possible

Reproductive toxicity : Classification not possible

STOT-single exposure : Classification not possible
If swallowed, may cause nausea, vomiting, and abdominal pain. However, classification is not possible in the absence of data on the severity of the effects

STOT-repeated exposure : Classification not possible

Aspiration hazard : Classification not possible

12. Ecological information

Ecotoxicity
Fish toxicity : Acute aquatic toxicity : Classification not possible
Chronic aquatic toxicity : Classification not possible

Rediualbility and degradability
: Not available

Bioaccumulative potential : Not available

Mobility in soil : Not available

Hazardous to the ozone layer
: Classification not possible

13. Disposal consideration

Residual disposal : Dissolve the chemical in a large amount of water and flush in a drain after neutralizing. Or consult approved disposal companies.

Containers : In case of disposal of empty bottles, dispose bottles after removing the content thoroughly.

14. Transport information

UN class : It is not regulated under UN regulations.

15. Regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

16. Other information

References

Encyclopaedia Chemica, Kyoritsu Shuppan Co., Ltd.(1963)

Dangerous Properties of Industrial Materials,6th ed. N.I.Sax Van Nostrand Reinhold Company(1984)

Handbook of 15710 Chemical Products, The Chemical Daily Co.(2010)

The information contained herein is based on several references and the present state of our knowledge. However the SDS does not always cover all information about the product, handle the product carefully.The information is intended to ordinary usage, in case of particular handlings, conduct appropriate safety measurements.The information herein is only provision of information, and it does not represent a guarantee the properties of the product.The Safety Data Sheet(SDS) is prepared based on JIS Z7253, and it has the same required elements on the Material Safety Data Sheet(MSDS) which is prepared based on JIS Z7250:2010.