Date of issue : 26 November,2003
Date of revision : 1 October,2021

# Safety Data Sheet

## 1. Product and company identification

| | | |
|---|---|---|
| Product name | : | Sodium 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. | : | 37175 |
| Product numbers applied by the SDS | : | 37168, 37175, 38991 |

## 2. Summary of danger and Hazard

GHS classification : Not applicable

## 3. Composition/Information on ingredients

| | | |
|---|---|---|
| Substance/Mixture | : | Substance |
| Chemical name or commercial name | : | Sodium formate |
| Ingredients and composition | : | Sodium formate min. 95.5% |
| Chemical formula | : | HCOONa |
| CAS No. | : | 141-53-7 |
| TSCA Inventory | : | Registered |
| EINECS No. | : | 2054880 |

## 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 | : | This product is noncombustible. |
| 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 in a dark, cool place and tightly closed.

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 : Colorless

Odor : Acetic acid odor

pH : Neutral

Boiling point : Decomposition(440℃)

Melting point : 253℃

Flash point : Noncombustible
Specific gravity : 1.919g/mL(20℃)
Solubility
Solubility in solvents : Water ; 45.1%(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
Incompatible materials : Oxidizing substances
Hazardous decomposition products
: Carbon monoxide

## 11. Toxicological information

Acute toxicity : Oral : No classification
Dermal : Classification not possible
Inhalation(vapor) : Classification not possible
Inhalation(dust, mist) : Classification not possible
mouse oral LD50=11200mg/kg
Skin corrosiveness : No classification
Since causes slight irritation to the skin, it was classified 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
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 entrust approved waste disposal companies with the disposal.

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.