

Safety Data Sheet

1. Product and company identification

Product name : Pyrimisulfan standard
Name of manufacturer : KANTO CHEMICAL CO., INC.
Address : 2-1, Nihonbashi, Muromachi 2-Chome, Chuo-Ku, Tokyo, 103-0022, Japan
Name of section : Reagent division, catalog and products information section
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Mail address : BC32@gms.kanto.co.jp
SDS No. : 32550

2. Summary of danger and Hazard

GHS classification

Physical and chemical hazard

Flammable solids : Out of category
Pyrophoric solids : Out of category

Human health hazard

Acute toxicity(oral) : Category 4
Acute toxicity(dermal) : Out of category
Acute toxicity(inhalation:dust, mists) : Out of category
Skin corrosion • Irritation : Out of category
Serious eye damage • Eye irritation : Category 2B
Skin sensitization : Out of category
Carcinogenicity : Out of category
Reproductive toxicity : Out of category

Environmental hazard

Hazardous to the aquatic environment-acute hazard : Out of category
Hazardous to the aquatic environment-chronic hazard : Out of category

Pictogram or symbol



Signal word : Warning
Hazard statement : Harmful if swallowed
Causes eye irritation

Cautions

- Safety measurements : Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
- First-aid measures : If swallowed: Rinse mouth. Get medical treatment if you feel unwell.
If in eyes : Rinse cautiously with water for several minutes. Get medical treatment.
Wash hands thoroughly after handling.
- Disposal : Dispose of contents and containers appropriately in accordance with related regulations.

3. Composition/Information on ingredients

- Substance/Mixture : Substance
- Chemical name or commercial name : (RS)-2'-[(4,6-dimethoxypyrimidine-2-yl)(hydroxy)methyl]-1,1-difluoro-6'-(methoxymethyl)methanesulphonanilide

Ingredients and composition

- : Pyrimisulfan min. 98.0%
- Chemical formula : C₁₆H₁₉F₂N₃O₆S
- CAS No. : 221205-90-9
- TSCA Inventory : Not registered
- EINECS No. : Not registered

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. If necessary, get medical treatment.
- Ingestion : Give the victim water. 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 in a chemical waste container. Flush residual area with copious amounts of water.

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 refrigerator and tightly closed. (0-6°C)

Safety adequate container materials

: Glass, polyethylene, polypropylene

8. Exposure control/Personal protection

Engineering measures : Use only with adequate ventilation and in closed systems.

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 : Pellet

Color : White

Odor : Odorless

Boiling point : Decomposition (220°C)

Melting point : 98.8°C

Specific gravity : 1.48g/cm³ (20°C)

Solubility

Solubility in solvents : Water ; 89.3mg/Water 1L (20°C)

Organic solvent ; Soluble in acetone, dichloromethane, ethyl acetate

log Pow : 0.52

10. Stability and reactivity

Stability : Stable under normal usage.

Reactivity : May react with strong oxidizing substances.

Incompatible conditions : Light, heat

Incompatible materials : Oxidizing substances

Hazardous decomposition products

: Carbon monoxide, sulfur oxide, fluorine, hydrogen fluoride

11. Toxicological information

- Acute toxicity : Harmful if swallowed(category 4)
Dermal : Out of category
Inhalation(vapor) : Not possible to classify because of insufficient data.
Inhalation(dust, mist) : Out of category
rat oral LD50=300-2000mg/kg
rat skin LD50>2000mg/kg
rat inhalation LC50>6.9mg/L/4H
- Skin corrosiveness : Out of category
Based on evidence of no rabbit skin irritation, the substance was classified into out of category.
- Irritation to skin, eyes : Causes eye irritation(category 2B)
Based on evidence of mild irritation to rabbit eyes, the substance was classified into category 2B.
- Respiratory sensitization or Skin sensitization
: Respiratory sensitization : Not possible to classify because of insufficient data.
Skin sensitization : Out of category
No evidence of skin sensitization was found in guinea pigs.
- Mutagenicity : Not possible to classify because of insufficient data.
There are negative data on in vivo reverse mutation test, chromosome aberration test, and in vivo micronucleus examination.
- Carcinogenic effects : Out of category
A 103-week feeding administration study (25ppm, 500ppm, 2500ppm and 5000ppm) in male and female F344 rats shows no significant tumor development and it was judged to have no carcinogenicity.
- Effects on the reproductive system
: Out of category
No reproductive toxicity was noted in two-generation reproduction study in rats.
- Specific target organ systemic toxicity single exposure
: Not possible to classify because of insufficient data.
- Specific target organ systemic toxicity repeated exposure
: Not possible to classify because of insufficient data.
- Aspiration hazard : Not possible to classify because of insufficient data.

12. Ecological information

- Ecotoxicity
- Fish toxicity : Acute aquatic toxicity : Out of category
Chronic aquatic toxicity : Out of category
Carp LC50=127mg/L/96H
- Rediualbility and degradability
: Not available

Ecoremediability : Not available

13. Disposal consideration

Residual disposal : Mixed with flammable organic solvents and burn in a chemical incinerator equipped with an afterburner and a scrubber. 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 Dictionary of Organic Compounds, The society of Synthetic Organic Chemistry, Kodansha Ltd. (1985)

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.