



Prepared date: 27 August 2018
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Safety Data Sheet

【1】 PRODUCT AND COMPANY INFORMATION

Product name Rapid Test Pro II for Egg
Rapid Test Pro II for Total Milk
Rapid Test Pro II for Gluten
Rapid Test Pro II for Buckwheat
Rapid Test Pro II for Peanut
Rapid Test Pro II for Soya
Rapid Test Pro II for Walnut
Rapid Test Pro II for Shellfish
Rapid Test Pro II for Crustacean

Manufacturer's name Morinaga Institute of Biological Science, Inc.
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SDS No. GHS-NPII-11

【2】 HAZARDS IDENTIFICATION

kit contains mixtures of hazardous and non-hazardous substances. Below are materials identified as potentially hazardous.

Sodium sulfite, water
Human health hazard
Serious eye damage : Category 2B
Pictogram or symbol



Signal word : Warning
Hazard statement : Causes serious eyes irritation.
Cautions
First-aid measures : If in eyes: Rinse cautiously with water for several minutes.
Get medical treatment
Wash hands thoroughly after handling.

【3】 COMPOSITION/INFORMATION ON INGREDIENTS

Sodium sulfite, water
Substance/Mixture : Substance
Chemical name or commercial name
: Sodium sulfite, water
Ingredients and composition : Sodium sulfite, water solution. The content is not disclosed
Formula : Na₂SO₃
CAS-No. : 7757-83-7
TSCA Inventory : Registered
EINECS : 2318214

【4】 FIRST AID MEASURES

Inhalation : Remove the victim to fresh air. Blow 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 one or two glasses of water or saline and induce vomiting. Get medical treatment.

【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

Sodium sulfite, water	
Cautions for personnel	: Wear proper equipment and avoid contact with skin and inhalation of vapor.
Cautions for environmental	: 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 measures	: Absorb spill with paper or cloth. : Wash thoroughly with water

【7】 HANDLING AND STORAGE

Handling	
Engineering measures	: Wear proper protective equipment not to contact with skin or : Handle not to generate aerosol or vapor.
Cautions for safety handling	: Use with an enclosed system or a local exhaust ventilation
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

Sodium sulfite, water	
Engineering measures	: Use only with adequate ventilation and in closed systems.
Control parameters	
ACGIH(2009)	: Not applicable
Protective equipment	
Respiration protective equipment	: Not necessary
Hands protective equipment	: Impervious protective gloves
Eyes protective equipment	: Safety goggles

【9】 PHYSICAL AND CHEMICAL PROPERTIES

Sodium sulfite, water	
Appearance	: Liquid
Color	: Colorless
Odor	: Odorless
pH	: 9.0-11.0
Boiling point	: Not Available
Melting point	: Not Available
Flash point	: Noncombustible
Specific gravity	: Approx. 1.1 g/mL
Solubility	: Water: Freely soluble

【10】 STABILITY AND REACTIVITY

Sodium sulfite, water	
Stability	: Stable under normal usage
Reactivity	: oxidized gradually in air
Incompatible conditions	: Light, heat
Incompatible materials	: Oxidizing substances
Hazardous decomposition	: Sulfur oxides

【11】 TOXICOLOGICAL INFORMATION

Sodium sulfite, water	
Acute toxicity, Oral	: Out of category
Acute toxicity, Dermal	: Not possible to classify because of insufficient data
Inhalation (gas)	: Not possible to classify because of insufficient data
Inhalation (dust, mist)	: Not possible to classify because of insufficient data (as Sodium sulfite) Rat oral LD50=3560mg/kg
Skin corrosiveness	: Out of category
Irritation to skin, eyes	: Causes serious eyes irritation.(Category 2B) Since cause moderate irritation to the eyes of rabbit, it was classified into category 2B.

Respiratory sensitization or skin sensitization

Respiratory sensitization : Not possible to classify because of insufficient data

Skin sensitization : Not possible to classify because of insufficient data

Mutagenicity : Out of category

Carcinogenic effects : Not possible to classify because of insufficient data

Effects on the reproductive system

: Not possible to classify because of insufficient data

Specific target organ systemic toxicity(Single exposure)

: Not possible to classify because of insufficient data

Sulfite salt is oxidized and is converted to sulfate ion inside bodies, but digestive organs are irritated because of isolated sulfite ion. If human swallowed 4g of the substance, they have poisoning digestive organs. However, it is 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

Inhalation studies of sulfuric acid of rabbits and mice during the period of embryo organogenesis, the dose that does not recognized toxicity on dams appears no embryo toxicity and tetraagenicity on both species. As the main toxicity is direct irritation and corrosion on the local tissue, there is no concern of reproductive toxicity.

【12】 ECOLOGICAL INFORMATION

Sodium sulfite, water

Ecotoxicity

Fish toxicity

Acute aquatic toxicity : Not possible to classify because of insufficient data

Chronic aquatic toxicity : Not possible to classify because of insufficient data

【13】 DISPOSAL CONSIDERATIONS

Residual disposal

: Disposal must comply with appropriate local, national and local laws and regulations.

: 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

: Not applicable

UN-Number:

: Not applicable

【15】 REGULATORY INFORMATION

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

【16】 OTHER INFORMATION

References : Encyclopedia Chemical, Kyoritsu Shuppan Co., Ltd.

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