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Safety Data Sheet

【1】 PRODUCT AND COMPANY INFORMATION

Product name Reagent B (10X Concentrate)

Manufacturer's name Morinaga BioScience, Inc.
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Section Quality assurance department
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SDS No. GHS-SR-12

【2】 HAZARDS IDENTIFICATION

Human health hazard

Serious eye damage ·
Eye irritation : 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

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

- 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 inhale the vapor.
: 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

- 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

- 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

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

【11】 TOXICOLOGICAL INFORMATION

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

【13】 DISPOSAL CONSIDERATIONS

Residual disposal	: Dilute with copious water and adjust the pH of the solution. After that, flush in drains.
	: 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