



Can Get Signal® immunostain Immunoreaction Enhancer Solution

NKB-401

First issue : 5. 25, 2015

**Safety Data Sheet**

SDS No.1059F

**1 PRODUCT AND COMPANY IDENTIFICATION**

Product Name	Can Get Signal® immunostain Immunoreaction Enhancer Solution
Product Code	NKB-401
<b>SUPPLIER</b>	
Name	TOYOB Co., Ltd.
Address	2-8 Dojima Hama 2-chome, Kita-ku, OSAKA, 530-8230, JAPAN
Department	Life Science
Emergency Telephone No.	+81-6-6348-3786
Fax No.	+81-6-6348-3833
Recommended use and restrictions on use	Immunoreaction Enhancer Solution (Reagent for research)

**2 HAZARDS IDENTIFICATION**

Most Important Hazards	Few adverse human health effects are anticipated.
Specific Hazards	Not available
GHS Classification	Classification not possible

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Product (Substance/Mixture)	Mixture		
Chemical Nature	Aqueous solution		
Parts Name	Main components	CAS No. (EC NO.)	
Solution A	Tris(Hydroxymethyl)a minomethane	77-86-1	
	Sodium chloride	7647-14-5	
	Casein	9000-71-9	
	Iothiazoline based compound	-	
	Nonionic surfactant	-	
	Additive	Nondisclosure	
Solution B	Sodium dihydrogen phosphate	13472-35-0	
	Sodium chloride	7647-14-5	
	Casein	9000-71-9	
	Iothiazoline based compound	-	
	Nonionic surfactant	-	
	Additive	Nondisclosure	
Components Contributing to the Hazard			
Common Chemical Name (or Generic Name)	Casein	Sodium chloride	Sodium dihydrogen phosphate
Synonyms	-	-	-
Contained Parts:Percentage	Solution A/B: 0.02% or less	Solution A/B: 2.0% or less	Solution B: 0.3% or less
Chemical formula	-	NaCl	NaH <sub>2</sub> PO <sub>4</sub>
CAS No.	9000-71-9	7647-14-5	7558-80-7
Common Chemical Name (or Generic Name)	Iothiazoline based compound	Nonionic surfactant	Tris(Hydroxymethyl)a minomethane
Synonyms	-	-	-
Contained Parts:Percentage	Solution A/B: 0.001% or less	Solution A/B: 0.01% or less	Solution A: 0.3% or less
Chemical formula	-	-	(HOCH <sub>2</sub> ) <sub>3</sub> CNH <sub>2</sub>
CAS No.	-	-	77-86-1
Common Chemical Name (or Generic Name)	Additive		
Synonyms	Nondisclosure		
Contained Parts:Percentage	Solution A/B: 5% or Nondisclosure		
Chemical formula	Nondisclosure		
CAS No.			



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### 4 FIRST-AID MEASURES

Inhalation

In case of irritation by inhaling this product, move affected person to fresh air and await recovery. If irritation persists, seek immediate medical attention.

Skin Contact

Wash with clean water, immediately.

Eye Contact

Rinse eyes with clean water for several minutes, and seek medical Induce vomiting.

Ingestion

If indisposition continues, seek medical attention.

### 5 FIRE-FIGHTING MEASURES

Extinguishing Media

Water, Carbon Dioxide, Foam, Dry Chemical Powder

Protection of fire-fighters

Fire-fighting should be done from the windward side of fire area. Fire-fighters should wear proper protective equipment in case of large scale fire.

### 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective gear to avoid eye/skin contact and inhalation.

Environmental Precautions

Avoid disposition to the environment.

Methods for Cleaning up

Use cloth, paper or anything similar to soak up the solution leaking out of the container. Take up under vacuum using dust collecting filter.

### 7 HANDLING AND STORAGE

#### HANDLING

Technical Measures

Wear protective equipments and avoid contact with eyes and skin.

Precautions

Avoid substance contact. After handling, wash hands with clean water.

Safe Handling Advice

Good laboratory technique should be used when handling this product.

#### STORAGE

Technical Measures

Store in the laboratory

Storage Conditions

Store at 3~8°C

Incompatible Products

Oxidizers

Packaging Materials

Store in the original package

### 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

#### ENGINEERING MEASURES

Set up good ventilation and exhaust system in the work area.

#### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection

Wear a dust mask.

Hand Protection

Chemical safety gloves.

Eye Protection

Chemical safety

Skin and Body Protection

Long sleeves to prevent contact with skin.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State

liquid at 4°C, solid at -20°C

Colour

Colourless

Odour

None

pH

7.0-8.0

Flash Point

Not flammable due to aqueous solution.

Boiling Point

Not available

Melting Point

about 0° C

Decomposition Temperature

Not available

Density/relativedensity

1.0-1.2mg/cm3

Solubility

Soluble in water



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### 10 STABILITY AND REACTIVITY

Stability	Stable at 3~8°C
Possible Hazardous Reactions	None
Conditions to Avoid	Strong heat
Material to Avoid	Direct sunlight, strong oxidizers and strong reducers
Hazardous Decomposition Product	Not available

### 11 TOXICOLOGICAL INFORMATION

Acute Toxicity	Classification not possible		
Local Effects	May cause eye and skin irritation. May cause respiratory tract irritation.		
Toxicological information on the component of this product			
Acute toxicity (LD50)	Tris(Hydroxymethyl)a minomethane	Additive	
Skin corrosion/Irritation	Oral-mouse: 5900mg/kg	Oral-rat: 50g/kg	
Serious eye damage/Eye irritation	Not available	Not available	Not available

### 12 ECOLOGICAL INFORMATION

Mobility	Soluble in water and diffusible into water environment.
Persistence/Degradability	Not available
Bioaccumulation	Not available

### 13 DISPOSAL CONSIDERATIONS

Waste from Residues	Dispose of in accordance with all applicable local and national laws and regulations.
Contaminated Packaging	Dispose of in accordance with all applicable local and national laws and regulations.

### 14 TRANSPORT INFORMATION

International Regulations	Not classified
UN Classification Number	Follow all of the laws and regulations in your respective country.
Specific Precautions	To prevent packages from breaking, handle with care.

### 15 REGULATORY INFORMATION

Follow all of the laws and regulations in your country.

### 16 OTHER INFORMATION

Notice	The information in this SDS, to the best of our knowledge, is accurate and correct. However, TOYOB makes no warranty and assumes no liability whatsoever in connection with any use of this information. The information shall not be taken as being all inclusive and is to be used only a guide. All materials and mixtures may be present unknown hazards and should be used with caution. The SDS is subject to revision as new information becomes available.
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