

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
SUPPLIER	
Name	TOYOBO Co., Ltd.
Address	2-2-8 Dojima Hama Kita-ku Osaka, 530-8230 Japan
Department	Biotech support Department
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)aminomethane	77-86-1	
	Sodium chloride	7647-14-5	
	Casein	9000-71-9	
	Isothiazoline based compound	-	
	Nonionic surfactant Additive	-	
Solution B	Sodium dihydrogen phosphate	13472-35-0	
	Sodium chloride	7647-14-5	
	Casein	9000-71-9	
	Isothiazoline 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 ₂ PO ₄
CAS No.	9000-71-9	7647-14-5	7558-80-7
Common Chemical Name (or Generic Name)	Isothiazoline based compound	Nonionic surfactant	Tris(Hydroxymethyl)aminomethane
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 ₂) ₃ CNH ₂
CAS No.	-	-	77-86-1
Common Chemical Name (or Generic Name)	Additive		
Synonyms	Nondisclosure		
Contained Parts:Percentage	Solution A/B: 5% or less		
Chemical formula	Nondisclosure		
CAS No.	Nondisclosure		



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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 attention.
Ingestion	Induce vomiting. 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/cm ³
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	

	Tris(Hydroxymethyl)aminomethane	Additive
Acute toxicity (LD50)	Oral-mouse: 5900mg/kg	Oral-rat: 50g/kg
Skin corrosion/Irritation	Not available	Not available
Serious eye damage/Eye irritation	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	
UN Classification Number	Not classified
Specific Precautions	Follow all of the laws and regulations in your respective country. 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, TOYOBO 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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