

MATERIAL SAFETY DATA SHEET

Date Revised: October 31, 2012

PRODUCT AND COMPANY INFORMATION

Product Name: Mix-n-Stain CF647 antibody labeling kit , 1X(5-20)labeling
Catalog Number: 92279
Unit Size: 1 kit
Manufacturer/Supplier: Biotium, Inc.
 3159 Corporate Place. Hayward, CA 94545, USA
 Phone: 1-510-265-1027, Fax: 1-510-265-1352
 Web: http://www.biotium.com

COMPOSITION AND INFORMATION ON INGREDIENTS

Component 92279A

Chemical Name	CAS-No.	EINECS-No.	Weight %
Mix-n-Stain CF647 dye	Not available	Not available	>99 %

Component 99951-1, Mix-n-Stain reaction buffer

Chemical Name	CAS-No.	EINECS-No.	Weight %
Disodium hydrogenorthophosphate	7558-79-4	231-448-7	<0.5%
Sodium dihydrogenorthophosphate	7558-80-7	231-449-2	<0.5%
Sodium chloride	7647-14-5	231-589-3	<0.5%
Water	7732-18-5	231-791-2	>98%

Mix-n-stain reaction buffer contains other proprietary substances which at their given concentration, are not considered to be hazardous to health.

Component 99952-1, Mix-n-Stain storage buffer

Chemical Name	CAS-No.	EINECS-No.	Weight %
Glycerol	56-81-5	200-272-2	<50%
Bovine Serum Albumin	9048-46-8	232-936-2	<0.5%
Disodium hydrogenorthophosphate	7558-79-4	231-448-7	<0.5%
Sodium dihydrogenorthophosphate	7558-80-7	231-449-2	<0.5%
Sodium chloride	7647-14-5	231-589-3	<0.5%
Water	7732-18-5	231-791-2	>50%

Mix-n-stain storage buffer contains other proprietary substances which at their given concentration, are not considered to be hazardous to health.

HAZARDS IDENTIFICATION

Mix-n-Stain kit contains no substances which at their given concentration, are considered to be hazardous to health

GHS label element, including precaution statement

Pictogram None
 Signal word None
 Hazard statements None

HMIS Health hazard 0

	Flammability	0
	Physical hazard	
NFPA	Health	0
	Fire	0
	Reactivity	0

Components 92279A, 99951-1, 99952-1 are not hazardous

FIRST AID MEASURES

Skin contact	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Ingestion	Never give anything by mouth to an unconscious person. Consult a physician if necessary
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention if symptoms persist.
Note to physician	Treat symptomatically.

FIRE FIGHTING MEASURES

Use carbon dioxide, dry chemical extinguishers, foam extinguishers or water. An approved self-contained breathing apparatus and protective clothing are recommended.

ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

HANDLING AND STORAGE

Handling	Always wear recommended Personal Protective Equipment. Avoid contact with skin and eyes.
Storage	Store at -20°C. Keep in properly labeled containers

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits: No data available

POTENTIAL HEALTH EFFECTS

Inhalation:	May cause irritation to respiratory system.
Ingestions:	May be harmful if swallowed.
Skin:	May cause skin irritation.
Eyes:	May cause eye irritation

Environmental exposure controls: Prevent product from entering drains

Engineering measures: No engineering measure required.

Personal protection:	Lab coat
Eye protection:	Safety goggles
Hand protection:	Rubber gloves

PHYSICAL AND CHEMICAL PROPERTIES

Component	92279A	99951-1	99952-1

Chemical Name	Mix-n-Stain CF647 dye	Mix-n-Stain reagent buffer	Mix-n-Stain storage buffer
Form	Blue solid	Colorless liquid	Colorless liquid
Odor	Odorless	Odorless	Odorless
Solubility in water	Not available	Miscible	Miscible
Specific Gravity	Not available	Not available	Not available
pH	Not available	8.3	7.0
Boiling Point	Not available	Not available	Not available
Melting Point	Not available	Not available	Not available
Flash Point	Not available	Not available	Not available
Vapor Pressure	Not available	Not available	Not available

STABILITY AND REACTIVITY

Stability:	Stable
Thermal Decomposition:	No decomposition if used according to specifications
Dangerous Reactions:	No dangerous reactions identified if used according to specification
Dangerous Products of Decomposition:	No dangerous decomposition products identified if used according to specification
Hazardous polymerization:	Will not occur

TOXICOLOGICAL INFORMATION

RTECS Number: Not known

Toxicity:

Chemical Name	LD50 (oral)	LD50 (dermal)	LC50 (inhalation)
Mix-n-Stain CF647 dye	No data available	No data available	No data available
Mix-n-Stain reaction buffer	No data available	No data available	No data available
Mix-n-Stain storage buffer	No data available	No data available	No data available

Potential Health Hazards:

Health Hazards:	May enter the body through inhalation, ingestion, and eye and skin contact.
Potential Hazards:	
Eyes	May irritate to eyes.
Skin	May irritate to skin.
Inhalation	May irritate to respiratory system.
Ingestion	May cause cardiovascular and birth defects

Carcinogenicity: No data available

Mutagenicity: No data available

Reproductive toxicity: No data available

Risk Phrases: None

ECOLOGICAL INFORMATION

Ecotoxicity effects: No data available
Mobility: Miscible with water
Biodegradation: No information available.
Bioaccumulation: non- bioaccumulating

DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal.

TRANSPORT INFORMATION

Hazards Class: Not classified as hazardous during transportation
UN Number: Not classified
Packing Group: Not classified
Proper Shipping Name (Technical Name): None

DOT/IMDG/IATA Not classified as dangerous goods

REGULATIONS

European labeling in Accordance with EC Directives 1272/2008/EC

Indication of danger
Not hazardous

R-phrases(s)
None

S-phrases(s)
None

US Toxic Substances Control Act (TSCA): Not applicable.
US Other: Not applicable

EEC Risk Statements: None
Other Country Regulations: None identified

OTHER INFORMATION

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