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Revision: 04/04/2014

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

**1.1 Product Code:** 600508

**Product Name:** TR-FRET Assay Buffer 2 (10X)

1.2 Relevant identified uses of the substance or mixture and uses advised against:

**Relevant identified uses:** For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company

1180 E. Ellsworth Rd. Ann Arbor, MI 48108

Web site address: www.caymanchem.com

Information: Cayman Chemical Company +1 (734)971-3335

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300

CHEMTREC Outside USA and Canada: +1 (703)527-3887

#### Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:

Skin Corrosion/Irritation, Category 3

Serious Eye Damage/Eye Irritation, Category 2A

2.1.2 Classification according to Directive 1999/45/EC:

Xi: Irritant

Risk Phrases: R36/37/38

For full text of R- phrases: see SECTION 15.

2.2 Label Elements:

2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:



GHS Signal Word: Warning

**GHS Hazard Phrases:** 

H316: Causes mild skin irritation.

H319: Causes serious eye irritation.

**GHS Precaution Phrases:** 

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

**GHS Response Phrases:** 

P332+313: If skin irritation occurs, get medical advice/attention.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists, get medical advice/attention.

#### **GHS Storage and Disposal Phrases:**

Please refer to Section 7 for Storage and Section 13 for Disposal information.



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#### 2.2.2 Labeling according to Directive 1999/45/EC:



X

2.3 Adverse Human Health Causes mild skin irritation.

Effects and Symptoms: Causes serious eye irritation.

Material may be irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly

investigated.

### Section 3. Composition/Information on Ingredients

CAS#/ RTECS#	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
NA NA	TR-FRET Assay Buffer 2 (10X)	0.0 -10.0 %	NA NA	Xi; R36/37/38 Skin Corr. 3: H316 Eye Damage 2A: H319
7732-18-5 ZC0110000	Water	90.0 -100.0 %	231-791-2 NA	No phrases apply. No data available.

#### Section 4. First Aid Measures

4.1 Description of First AidNo data available.

Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained

personnel. Get immediate medical attention.

In Case of Skin

Contact:

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove

contaminated clothing. Get medical attention if symptoms occur. Wash clothing before

reuse.

In Case of Eye

Contact:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes

examined and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth

to an unconscious person. Get medical attention. Do NOT induce vomiting unless

directed to do so by medical personnel.

# Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

**Media:** Use water spray to cool fire-exposed containers.

**Unsuitable** A solid water stream may be inefficient.

**Extinguishing Media:** 

**5.2** Flammable Properties No data available.

and Hazards:

Flash Pt: No data.

**Explosive Limits:** LEL: No data. UEL: No data.

Autoignition Pt: No data.

**5.3 Fire Fighting** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH

**Instructions:** approved or equivalent), and full protective gear to prevent contact with skin and eyes.



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### Section 6. Accidental Release Measures

**6.1 Protective Precautions**, Avoid breathing vapors and provide adequate ventilation.

**Protective Equipment** As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or

and Emergency respirator, and appropriate personal p

respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy

**Procedures:** rubber gloves).

**6.2 Environmental** Take steps to avoid release into the environment, if safe to do so.

**Precautions:** 

**6.3** Methods and Material Contain spill and collect, as appropriate.

For Containment and Trans

Transfer to a chemical waste container for disposal in accordance with local regulations.

Cleaning Up:

### Section 7. Handling and Storage

**7.1 Precautions To Be** Avoid breathing dust/fume/gas/mist/vapours/spray.

**Taken in Handling:** Avoid prolonged or repeated exposure.

**7.2** Precautions To Be Keep container tightly closed.

**Taken in Storing:** Store in accordance with information listed on the product insert.

### Section 8. Exposure Controls/Personal Protection

#### 8.1 Exposure Parameters:

CAS#	Partial Chemical Name	Britain EH40	France VL	Europe
NA	TR-FRET Assay Buffer 2 (10X)	No data.	No data.	No data.
7732-18-5	Water	No data.	No data.	No data.
CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	TR-FRET Assay Buffer 2 (10X)	No data.	No data.	No data.
7732-18-5	Water	No data.	No data.	No data.

#### 8.2 Exposure Controls:

8.2.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to

**(Ventilation etc.):** control airborne levels below recommended exposure limits.

8.2.2 Personal protection equipment:

**Eye Protection:** Safety glasses

**Protective Gloves:** Compatible chemical-resistant gloves

Other Protective Lab coat

Clothing:

**Respiratory Equipment** NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Mainten Do not take internally.

ance Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a

safety shower.

Wash thoroughly after handling.



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	Section 9. Physical and Chemical Properties					
9.1	Information on Basic P	hysical and Chemical Properties				
	Physical States:	[ ] Gas [ X ] Liquid [ ] Solid				
	Appearance and Odor:	Solution				
	pH:	7.5				
	Melting Point:	No data.				
	<b>Boiling Point:</b>	No data.				
	Flash Pt:	No data.				
	<b>Evaporation Rate:</b>	No data.				
	<b>Explosive Limits:</b>	LEL: No data. UEL: No data.				
	Vapor Pressure (vs. Air	or No data.				
	mm Hg):					
	Vapor Density (vs. Air =	•				
	Specific Gravity (Water	•				
	Solubility in Water:	No data.				
	Autoignition Pt:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
		Section 10. Stability and Reactivity				
10.1	Reactivity:	No data available.				
10.2	Stability:	Unstable [ ] Stable [ X ]				
10.3	Stability Note(s):	e if stored in accordance with information listed on the product insert.				
	Polymerization:	Will occur [ ] Will not occur [ X ]				
10.4	Conditions To Avoid:	No data available.				
10.5	Incompatibility -	No data available.				
	Materials To Avoid:					
10.6	Hazardous	No data available.				
	<b>Decomposition Or</b>					
	Byproducts:					
		Section 11. Toxicological Information				
11.1	Information on	The toxicological effects of this product have not been thoroughly studied.				
	Toxicological Effects:					
Carci	nogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No				
		Section 12. Ecological Information				
12.1	Toxicity:	Avoid release into the environment.				
	Runoff from fire control or dilution water may cause pollution.					



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## Section 13. Disposal Considerations

13.1 Waste Disposal

Method:

Dispose in accordance with local, state, and federal regulations.

# Section 14. Transport Information

### 14.1 LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not dangerous goods.

DOT Hazard Class: UN/NA Number:

#### 14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

**UN Number:** Hazard Class:

#### 14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Transport in accordance with local, state, and federal regulations.

Information:

# Section 15. Regulatory Information

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS # Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	TR-FRET Assay Buffer 2 (10X)	No	No	No
7732-18-5	Water	No	No	No

CAS#	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	TR-FRET Assay Buffer 2 (10X)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No
7732-18-5	Water	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No

#### **European Community Hazard Symbol codes:**



Χi

#### **European Community Risk and Safety Phrases:**

R36/37/38 Irritating to eyes, respiratory system and skin.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Regulatory Information This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and

**Statement:** European Directive 67/548/EEC as amended.



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## Section 16. Other Information

**Revision Date:** 04/04/2014

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to

determine the suitability of the information for their particular purposes.



# SAFETY DATA SHEET JMJD2A Tudor Domains Europium Chelate

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according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

**1.1 Product Code:** 700961

**Product Name:** JMJD2A Tudor Domains Europium Chelate

1.2 Relevant identified uses of the substance or mixture and uses advised against:

**Relevant identified uses:** For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company

1180 E. Ellsworth Rd. Ann Arbor, MI 48108

Web site address: www.caymanchem.com

Information: Cayman Chemical Company +1 (734)971-3335

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300

CHEMTREC Outside USA and Canada: +1 (703)527-3887

#### Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:
- 2.1.2 Classification according to Directive 1999/45/EC:

**Risk Phrases:** 

For full text of R- phrases: see SECTION 15.

- 2.2 Label Elements:
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:

#### **GHS Signal Word:**

#### **GHS Hazard Phrases:**

Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.

#### **GHS Precaution Phrases:**

No phrases apply.

#### **GHS Response Phrases:**

No phrases apply.

#### **GHS Storage and Disposal Phrases:**

Please refer to Section 7 for Storage and Section 13 for Disposal information.

#### 2.2.2 Labeling according to Directive 1999/45/EC:

2.3 Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract.

Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption.

May cause eye, skin, or respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly

investigated.

# Section 3. Composition/Information on Ingredients

			Risk Phrases/ GHS Classification
NA NA	JMJD2A Tudor Domains Europium Chelate	0.0 -100.0 %	No phrases apply. No data available.



# **SAFETY DATA SHEET** JMJD2A Tudor Domains Europium Chelate

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#### Section 4. First Aid Measures

4.1 Description of First AidNo data available.

Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained

personnel. Get immediate medical attention.

In Case of Skin

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before Contact:

reuse.

In Case of Eye

In Case of Ingestion:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

Contact:

Wash out mouth with water provided person is conscious. Never give anything by mouth

to an unconscious person. Get medical attention. Do NOT induce vomiting unless

directed to do so by medical personnel.

# Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Media: Use water spray to cool fire-exposed containers.

Unsuitable A solid water stream may be inefficient.

**Extinguishing Media:** 

5.2 Flammable Properties No data available.

and Hazards:

No data. Flash Pt:

LEL: No data. UEL: No data. **Explosive Limits:** 

**Autoignition Pt:** No data.

5.3 **Fire Fighting** 

Instructions:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

#### Section 6. Accidental Release Measures

Protective Precautions, Avoid breathing vapors and provide adequate ventilation. 6.1

**Protective Equipment** and Emergency

As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy

**Procedures:** rubber gloves).

6.2 **Environmental** 

**Precautions:** 

Take steps to avoid release into the environment, if safe to do so.

6.3 **Methods and Material**  Contain spill and collect, as appropriate.

For Containment and

Transfer to a chemical waste container for disposal in accordance with local regulations.

Cleaning Up:

### Section 7. Handling and Storage

7.1 Avoid breathing dust/fume/gas/mist/vapours/spray. **Precautions To Be** 

Taken in Handling: Avoid prolonged or repeated exposure.

7.2 **Precautions To Be** Keep container tightly closed.

> Store in accordance with information listed on the product insert. Taken in Storing:

#### Section 8. Exposure Controls/Personal Protection

#### 8.1 **Exposure Parameters:**

CAS # Partial Chemical Name		Britain EH40	France VL	Europe
NA JMJD2A Tudor Domains Europium Chelate		No data.	No data.	No data.



10.5 Incompatibility -

10.6 Hazardous

**Materials To Avoid:** 

**Decomposition Or Byproducts:** 

No data available.

No data available.

# SAFETY DATA SHEET JMJD2A Tudor Domains Europium Chelate

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CAS #	ŧ	Partial Chemical	Name		OSHA TWA	ACGIH TWA	Other Limits
	NA	JMJD2A Tudor Do		oium	No data.	No data.	No data.
3.2		Chelate					
	-	ure Controls:	llaa muaaa		avea lacal avbava	st ventilation or ather anaine	ariaa aantrala ta
3.2.1	•		•			st ventilation, or other engine ended exposure limits.	ening controls to
3.2.2	•	nal protection ed			velo below recommi	chaca exposare infine.	
		otection:	Safety glas	sses			
	•	tive Gloves:	, ,		cal-resistant gloves		
		Protective	Lab coat				
	•	atory Equipment fy Type):	NIOSH app	proved r	espirator, as condit	ions warrant.	
	Work/H	lygienic/Mainten	Do not take	e interna	ally.		
	ance P	ractices:		_	r utilizing this mater	ial should be equipped with a	an eyewash and a
			safety show		ofter bandling		
					after handling.		
		Se	ection 9.	Phys	sical and Cher	mical Properties	
).1	Inform	ation on Basic P	hysical and	d Chem	ical Properties		
	Physic	al States:	[ ]	Gas	[X] Liquid []	Solid	
	Appea	rance and Odor:	Solu	ution			
	pH:		8.0	)			
	Melting	g Point:	No o	data.			
	_	Point:	No o	data.			
	Flash F	Pt:	No o	data.			
	Evapoi	ration Rate:	No o	data.			
	Explos	ive Limits:	LEL	: No da	ıta.	UEL: No data.	
	Vapor mm Hg	Pressure (vs. Air j):	or No	data.			
	Vapor	Density (vs. Air =	= <b>1):</b> No (	data.			
	Specifi	ic Gravity (Water	= 1): No	data.			
	Solubi	lity in Water:	No o	data.			
	Autoig	nition Pt:	No o	data.			
9.2	Other I	Information					
	Percen	t Volatile:	No	data.			
			Secti	ion 10	. Stability and	Reactivity	
0.1	Reactiv	vity:	No data av	ailable.			
0.2	Stabilit	•	Unstable [	] 5	Stable [ X ]		
0.3		ty Note(s):	Stable if st	-		ormation listed on the produc	ct insert.
		erization:	Will occur	[ ]	Will not occur [ X ]	-	
10.4	-	ions To Avoid:	No data av	-			
40 =		411 1114	NI. J. L.	- 9 - 6 1			



# SAFETY DATA SHEET JMJD2A Tudor Domains Europium Chelate

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Section 11. Toxicological Information

11.1 Information on

**Toxicological Effects:** 

The toxicological effects of this product have not been thoroughly studied.

Carcinogenicity: NTP? No

?? No IARC Monographs? No OSHA Regulated? No

Section 12. Ecological Information

**12.1 Toxicity:** Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

Section 13. Disposal Considerations

13.1 Waste Disposal

Method:

Dispose in accordance with local, state, and federal regulations.

# Section 14. Transport Information

#### 14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class: UN/NA Number:

#### 14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

UN Number: Hazard Class:

#### 14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport

Transport in accordance with local, state, and federal regulations.

Information:

### Section 15. Regulatory Information

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS#	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	JMJD2A Tudor Domains Europium Chelate	No	No	No
	1			

CAS#	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	JMJD2A Tudor Domains Europium Chelate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No

#### **European Community Hazard Symbol codes:**

#### **European Community Risk and Safety Phrases:**

S24/25 Avoid contact with skin and eyes.

S37/39 Wear suitable gloves and eye/face protection.

Regulatory Information This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and

**Statement:** European Directive 67/548/EEC as amended.

#### Section 16. Other Information

**Revision Date:** 04/04/2014

Additional Information About No data available.

This Product:

Company Policy or DISCLAIMER: This information is believed to be accurate and represents the best



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	1\GVI3I011. 04/04/2014
Disclaimer:	information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.
	Multi-region format



# SAFETY DATA SHEET JMJD2A Tudor Domains Ligand/APC Acceptor

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#### **Mixture**

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

**1.1 Product Code:** 700962

Product Name: JMJD2A Tudor Domains Ligand/APC Acceptor Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against:

**Relevant identified uses:** For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company

1180 E. Ellsworth Rd. Ann Arbor, MI 48108

Web site address: www.caymanchem.com

Information: Cayman Chemical Company +1 (734)971-3335

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300

CHEMTREC Outside USA and Canada: +1 (703)527-3887

#### Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2A

Target Organ Systemic Toxicity (single exposure), Category 3

Target Organ Systemic Toxicity (repeated exposure), Category 2

**Aquatic Toxicity (Chronic), Category 3** 

2.1.2 Classification according to Directive 1999/45/EC:

T: Toxic

Risk Phrases: R22, R36/37/38, R48/23

For full text of R- phrases: see SECTION 15.

2.2 Label Elements:

2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:





GHS Signal Word: Warning

#### **GHS Hazard Phrases:**

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

EUH032: Contact with acids liberates very toxic gas.

#### **GHS Precaution Phrases:**

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

P362+364: Take off contaminated clothing and wash it before reuse.

P261: Avoid breathing {dust/fume/gas/mist/vapours/spray}.

P260: Do not breathe {dust/fume/gas/mist/vapours/spray}.

P273: Avoid release to the environment.

#### **GHS Response Phrases:**



# SAFETY DATA SHEET JMJD2A Tudor Domains Ligand/APC Acceptor

Mixture

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P302+352: IF ON SKIN: Wash with plenty of soap and water.

P332+313: If skin irritation occurs, get medical advice/attention.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists, get medical advice/attention.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a {POISON CENTER/doctor/...} if you feel unwell.

P314: Get medical attention/advice if you feel unwell.

#### **GHS Storage and Disposal Phrases:**

Please refer to Section 7 for Storage and Section 13 for Disposal information.

#### 2.2.2 Labeling according to Directive 1999/45/EC:



Т

#### 2.3 Adverse Human Health Causes skin irritation.

Effects and Symptoms: Causes serious eye irritation.

Contact with acids liberates very toxic gas.

Harmful to aquatic life with long lasting effects.

Material may be irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause damage to organs through prolonged or repeated exposure.

May cause respiratory irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

# Section 3. Composition/Information on Ingredients

CAS#/ RTECS#	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
NA NA	JMJD2A Tudor Domains Ligand/APC Acceptor Mixture	99.6 -100.0 %	NA NA	T; R22-36/37/38-48/23 Skin Corr. 2: H315 Eye Damage 2A: H319 TOST (SE) 3: H335 H336 TOST (RE) 2: H373
26628-22-8 VY8050000	Sodium azide	0.0 -0.4 %	247-852-1 011-004-00-7	T+;N; R28-32-50/53 Acute Tox.(O) 2: H300 Acute Tox.(D) 1: H310 TOST (RE) 2: H373 Aquatic (C) 1: H410



# SAFETY DATA SHEET JMJD2A Tudor Domains Ligand/APC Acceptor Mixture

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#### Section 4. First Aid Measures

**4.1 Description of First Aid**No data available.

Measures:

Contact:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained

personnel. Get immediate medical attention.

In Case of Skin

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before

reuse.

In Case of Eye

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes

Contact:

examined and tested by medical personnel.

**In Case of Ingestion:** Wash out mouth with water provided person is conscious. Never give anything by mouth

to an unconscious person. Get medical attention. Do NOT induce vomiting unless

directed to do so by medical personnel.

# Section 5. Fire Fighting Measures

**5.1 Suitable Extinguishing** Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

**Media:** Use water spray to cool fire-exposed containers.

**Unsuitable** A solid water stream may be inefficient.

**Extinguishing Media:** 

**5.2** Flammable Properties No data available.

and Hazards:

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

**5.3** Fire Fighting As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH

**Instructions:** approved or equivalent), and full protective gear to prevent contact with skin and eyes.

#### Section 6. Accidental Release Measures

**6.1 Protective Precautions,** Avoid raising and breathing dust, and provide adequate ventilation.

Protective Equipment and Emergency

As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy

**Procedures:** rubber gloves).

6.2 Environmental

Take steps to avoid release into the environment, if safe to do so.

Precautions:

6.3 Methods and Material

Contain spill and collect, as appropriate.

For Containment and

Transfer to a chemical waste container for disposal in accordance with local regulations.

Cleaning Up:

### Section 7. Handling and Storage

**7.1 Precautions To Be** Avoid breathing dust/fume/gas/mist/vapours/spray.

**Taken in Handling:** Avoid prolonged or repeated exposure.

**7.2** Precautions To Be Keep container tightly closed.

**Taken in Storing:** Store in accordance with information listed on the product insert.

#### Section 8. Exposure Controls/Personal Protection

#### 8.1 Exposure Parameters:

CAS # Partial Chemical Name		Britain EH40	France VL	Europe
NA	JMJD2A Tudor Domains Ligand/APC	No data.	No data.	No data.
	Acceptor Mixture			



# SAFETY DATA SHEET JMJD2A Tudor Domains Ligand/APC Acceptor

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Mixture

26628-22-8	Sodium azide	TWA: 0.1 mg/m3 () STEL: 0.3 mg/m3 ()	TWA: 0.1 mg/m3 STEL: 0.3 mg/m3	TWA: 0.1 mg/m3 STEL: 0.3 mg/m3
CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	JMJD2A Tudor Domains Ligand/APC Acceptor Mixture	No data.	No data.	No data.
26628-22-8	Sodium azide	No data.	CEIL: 0.29 mg/m3	No data.

8.2 Exposure Controls:

8.2.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to

(Ventilation etc.): control airborne levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective

Lab coat

Clothing:

**Respiratory Equipment** NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Mainten Do not take internally.

ance Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a

safety shower.

Wash thoroughly after handling.

### Section 9. Physical and Chemical Properties

9.1	Information	on Basic	Physical	and	Chemical	<b>Properties</b>	š
-----	-------------	----------	----------	-----	----------	-------------------	---

Physical States: [ ] Gas [ ] Liquid [ X ] Solid

Appearance and Odor: A lyophilized powder

Melting Point:No data.Boiling Point:No data.Flash Pt:No data.Evaporation Rate:No data.

**Explosive Limits:** LEL: No data. UEL: No data.

No data.

Vapor Pressure (vs. Air or

mm Hg):

Vapor Density (vs. Air = 1):No data.Specific Gravity (Water = 1):No data.Solubility in Water:No data.Autoignition Pt:No data.

9.2 Other Information

Percent Volatile: No data.

## Section 10. Stability and Reactivity

**10.1 Reactivity:** No data available.

**10.2 Stability:** Unstable [ ] Stable [ X ]

**10.3 Stability Note(s):** Stable if stored in accordance with information listed on the product insert.

**Polymerization:** Will occur [ ] Will not occur [ X ]

**10.4 Conditions To Avoid:** No data available.

**10.5** Incompatibility - No data available.

Materials To Avoid:

**10.6 Hazardous** No data available.

**Decomposition Or** 



# SAFETY DATA SHEET JMJD2A Tudor Domains Ligand/APC Acceptor Mixture

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**Byproducts:** Section 11. Toxicological Information 11.1 Information on The toxicological effects of this product have not been thoroughly studied. **Toxicological Effects:** Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No Section 12. Ecological Information **Toxicity:** Avoid release into the environment. 12.1 Runoff from fire control or dilution water may cause pollution. Section 13. Disposal Considerations **Waste Disposal** Dispose in accordance with local, state, and federal regulations. 13.1 Method: Section 14. Transport Information

#### T (110 DOT)

14.1 LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not dangerous goods.

DOT Hazard Class: UN/NA Number:

#### 14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

**UN Number:** Hazard Class:

#### 14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

**Additional Transport** 

Transport in accordance with local, state, and federal regulations.

Information:

# Section 15. Regulatory Information

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS#	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	JMJD2A Tudor Domains Ligand/APC Acceptor Mixture	No	No	No
26628-22-8	Sodium azide	Yes 500 LB	Yes 1000 LB	Yes

CAS#	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	JMJD2A Tudor Domains Ligand/APC Acceptor Mixture	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No
26628-22-8	Sodium azide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No



# SAFETY DATA SHEET JMJD2A Tudor Domains Ligand/APC Acceptor **Mixture**

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#### **European Community Hazard Symbol codes:**



#### **European Community Risk and Safety Phrases:**

Harmful if swallowed. R22

R36/37/38 Irritating to eyes, respiratory system and skin.

R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**Regulatory Information** This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and

Statement: European Directive 67/548/EEC as amended.

#### Section 16. Other Information

**Revision Date:** 04/04/2014

Additional Information About No data available.

This Product:

**Company Policy or** 

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or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to

determine the suitability of the information for their particular purposes.



# SAFETY DATA SHEET JMJD2A Tudor Domains Positive Control

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according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

**1.1 Product Code:** 700965

**Product Name:** JMJD2A Tudor Domains Positive Control

1.2 Relevant identified uses of the substance or mixture and uses advised against:

**Relevant identified uses:** For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company

1180 E. Ellsworth Rd. Ann Arbor, MI 48108

Web site address: www.caymanchem.com

Information: Cayman Chemical Company +1 (734)971-3335

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300

CHEMTREC Outside USA and Canada: +1 (703)527-3887

#### Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:
- 2.1.2 Classification according to Directive 1999/45/EC:

**Risk Phrases:** 

For full text of R- phrases: see SECTION 15.

- 2.2 Label Elements:
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:

#### **GHS Signal Word:**

#### **GHS Hazard Phrases:**

Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.

#### **GHS Precaution Phrases:**

No phrases apply.

#### **GHS Response Phrases:**

No phrases apply.

#### **GHS Storage and Disposal Phrases:**

Please refer to Section 7 for Storage and Section 13 for Disposal information.

#### 2.2.2 Labeling according to Directive 1999/45/EC:

2.3 Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract.

Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption.

May cause eye, skin, or respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly

investigated.

# Section 3. Composition/Information on Ingredients

	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	Risk Phrases/ GHS Classification
NA NA	JMJD2A Tudor Domains Positive Control	0.0 -100.0 %	No phrases apply. No data available.



### SAFETY DATA SHEET JMJD2A Tudor Domains Positive Control

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#### Section 4. First Aid Measures

4.1 Description of First AidNo data available.

Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained

personnel. Get immediate medical attention.

In Case of Skin

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before Contact:

reuse.

In Case of Eye

In Case of Ingestion:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

Contact:

Wash out mouth with water provided person is conscious. Never give anything by mouth

to an unconscious person. Get medical attention. Do NOT induce vomiting unless

directed to do so by medical personnel.

# Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Media: Use water spray to cool fire-exposed containers.

Unsuitable A solid water stream may be inefficient.

**Extinguishing Media:** 

5.2 Flammable Properties No data available.

and Hazards:

No data. Flash Pt:

LEL: No data. UEL: No data. **Explosive Limits:** 

**Autoignition Pt:** No data.

5.3 **Fire Fighting** 

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH Instructions:

approved or equivalent), and full protective gear to prevent contact with skin and eyes.

#### Section 6. Accidental Release Measures

6.1 Protective Precautions, Avoid raising and breathing dust, and provide adequate ventilation.

**Protective Equipment** and Emergency

As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy

rubber gloves). **Procedures:** 

6.2 **Environmental** 

**Precautions:** 

Take steps to avoid release into the environment, if safe to do so.

6.3 **Methods and Material**  Contain spill and collect, as appropriate.

For Containment and

Transfer to a chemical waste container for disposal in accordance with local regulations.

Cleaning Up:

### Section 7. Handling and Storage

7.1 Avoid breathing dust/fume/gas/mist/vapours/spray. **Precautions To Be** 

Taken in Handling: Avoid prolonged or repeated exposure.

7.2 **Precautions To Be** Keep container tightly closed.

> Taken in Storing: Store in accordance with information listed on the product insert.

### Section 8. Exposure Controls/Personal Protection

#### 8.1 **Exposure Parameters:**

CAS # Partial Chemical Name		Britain EH40	France VL	Europe
NA	JMJD2A Tudor Domains Positive Control	No data.	No data.	No data.



10.6 Hazardous

**Decomposition Or Byproducts:** 

No data available.

## **SAFETY DATA SHEET** IMID2A Tudor Domains Positive Control

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CAS#	ŧ	Partial Chemical Name		OSHA TWA  No data.	ACGIH TWA	Other Limits	
	NA JMJD2A Tudor Do		omains Positive		No data.	No data.	
.2	Expos	sure Controls:		•	•	<b>-</b>	
.2.1	Engineering Controls Use process end			closures, local exhaust	ventilation, or other engine	ering controls to	
	(Venti	lation etc.):	control airborne	levels below recomme	nded exposure limits.		
.2.2	Perso	onal protection e	quipment:				
	Eye Pı	rotection:	Safety glasses				
	Protec	ctive Gloves:	Compatible cher	nical-resistant gloves			
	Other Clothi	Protective ng:	Lab coat				
	•	ratory Equipmen ify Type):	t NIOSH approved	d respirator, as condition	ons warrant.		
	Work/	Hygienic/Mainter	n Do not take inter	nally.			
	ance F	Practices:	•	or utilizing this materia	al should be equipped with	an eyewash and a	
			safety shower.	6 1 111			
		Wash thoroughly after handling.					
		S	ection 9. Phy	ysical and Chem	nical Properties		
.1	Inform	nation on Basic F	Physical and Che	mical Properties			
	Physic	cal States:	[ ] Gas	[ ] Liquid [ X ] S	Solid		
	Appea	arance and Odor:	A lyophiliz	zed powder			
	Meltin	g Point:	No data.				
	Boiling	g Point:	No data.				
	Flash	Pt:	No data.				
	Evapo	ration Rate:	No data.				
	Explos	sive Limits:	LEL: No	data.	UEL: No data.		
	Vapor mm H	Pressure (vs. Ai g):	r or No data.				
	Vapor	Density (vs. Air	<b>= 1):</b> No data.				
	Specif	fic Gravity (Wate	r = 1): No data.				
	Solubi	ility in Water:	No data.				
	Autoig	gnition Pt:	No data.				
.2	Other	Information					
	Percei	nt Volatile:	No data.				
			Section 1	0. Stability and	Reactivity		
0.1	Reacti	ivity:	No data available	e.	-		
0.2	Stabili	•	Unstable [ ]	Stable [ X ]			
0.3		ity Note(s):			rmation listed on the produ	ct insert.	
		erization:	Will occur [ ]	Will not occur [X]	•		
0.4	•	tions To Avoid:	No data available				
		patibility -					



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Section 11. Toxicological Information

The toxicological effects of this product have not been thoroughly studied. 11.1 Information on

**Toxicological Effects:** 

NTP? No IARC Monographs? No OSHA Regulated? No

Section 12. Ecological Information

Avoid release into the environment. 12.1 Toxicity:

Runoff from fire control or dilution water may cause pollution.

Section 13. Disposal Considerations

Dispose in accordance with local, state, and federal regulations. 13.1 Waste Disposal

Method:

Carcinogenicity:

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not dangerous goods.

**DOT Hazard Class: UN/NA Number:** 

LAND TRANSPORT (European ADR/RID): 14.1

ADR/RID Shipping Name: Not dangerous goods.

**UN Number: Hazard Class:** 

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Transport in accordance with local, state, and federal regulations. Additional Transport

Information:

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS # Hazardous Components (Chemical Name)		S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	JMJD2A Tudor Domains Positive Control	No	No	No

CAS # Hazardous Components (Chemical Name)		Other US EPA or State Lists
NA	JMJD2A Tudor Domains Positive Control	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No

**European Community Hazard Symbol codes:** 

**European Community Risk and Safety Phrases:** 

S24/25 Avoid contact with skin and eyes.

S37/39 Wear suitable gloves and eye/face protection.

This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and **Regulatory Information** 

European Directive 67/548/EEC as amended. Statement:

Section 16. Other Information

04/04/2014 Revision Date:

Additional Information About No data available.

This Product:

**Company Policy or** DISCLAIMER: This information is believed to be accurate and represents the best



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CHEMICAL	Revision: 04/04/2014
Disclaimer:	information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.
	Multi-region format