**Biotium** 

Supplier of fluorescent and related biochemical reagents for life science research and drug discovery Glowing Products for Science<sup>TM</sup>

46117 Landing Parkway, Fremont, CA 94538, U.S.A. Tel: 1-510-265-1027; Fax: 1-510-265-1352 btinfo@biotium.com http://www.biotium.com/

## SAFETY DATA SHEET

Date: March 21, 2016

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	CTC (5-Cyano-2,3-ditolyl tetrazolium chloride)
Catalog Number:	10063
Unit Size:	10mg
Manufacturer/Supplier:	Biotium, Inc.
	46117 Landing Parkway, Fremont, CA 94538, USA
	Phone: 1-510-265-1027, Fax: 1-510-265-1352
	Web: http://www.biotium.com

## 2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008[CLP] None Classification according to Directive 1999/45/EC None

Labeling according to Regulation (EC) No 1272/2008[CLP] Hazard pictogram None Signal word None Hazard statements None Precautionary statements None

## **HMIS Classification**

Health hazard: 0 Flammability: 0 Physical hazards: 0 **NFPA Rating** Health hazard: 0 Fire: 0 Reactivity Hazard: 0

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	EC No.	Index No.	Weight %	Classification according to 67/548/EEC	Classification according to regulation (EC)No1278/2008
5-Cyano-2,3- ditolyl tetrazolium chloride	90217-02-0	-	-	≥95%	-	-

## 4. FIRST- AID MEASURES



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#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. **If inhaled** 

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

## In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 5. FIREFIGHTING MEASURES

## Suitable extinguishing media

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water. Special protective equipment for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

## **Personal precautions**

Avoid breathing vapors, mist or gas. Remove all sources of ignition. **Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. **Methods and materials for containment and cleaning up** Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

## Precautions for safe handling

Avoid inhalation of vapor or mist. Avoid direct contact with substance. **Conditions for safe storage** Keep container tightly closed in a dry and well-ventilated place. Store desiccated at -20°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Substance5-Cyano-2,3-ditolyl tetrazolium chlorideCAS no.90217-02-0Control parameterNo information available



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## Personal protective equipment

## Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

## **Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	5-Cyano-2,3-ditolyl
	tetrazolium chloride
Appearance	Solid
Odor	No information available
Odor threshold	No information available
рН	No information available
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available
Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	Soluble in DMSO
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidising properties	No information available

## 10. STABILITY AND REACTIVITY

## Chemical stability

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Stable under recommended storage conditions. Possibility of hazardous reactions No data available Conditions to avoid Heat, flames and sparks. Materials to avoid No data available Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - no data available

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity					
Oral LD50	None				
Inhalation L	C50 N	None			
Dermal LD5					
Other inform	nation on acute	e toxicity	no data available		
Skin corrosion/irrita	t <b>ion</b> no data av	vailable			
Serious eye damage	/eye irritation	no data available			
Respiratory or skin sensitization no data available					
Germ cell mutagenie	;ity n	no data available			
Carcinogenicity					
-		-	greater than or equal to 0.1% is identified as		
probable, possible or		• •			
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a					
carcinogen or potentia	•••				
-		resent at levels	greater than or equal to 0.1% is identified as a known		
or anticipated carcino	• •				
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a					
carcinogen or potentia	• •	•			
Reproductive toxicit	-				
	1 toxicity - sing	jle exposure (G	lobally Harmonized System)		
no data available					
Specific target organ toxicity - repeated exposure (Globally Harmonized System)					
no data available					
Aspiration hazard					
no data available					
Potential health effects					
Inhalation May be harmful if inhaled. May cause respiratory tract irritation.					
Ingestion May be har					
Skin May be harmful if absorbed through skin. May cause skin irritation.					
Eyes May cause eye					
Additional Informati	n				
RTECS: None					

12. ECOLOGICAL INFORMATION



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Toxicityno information availablePersistence and degradabilityno information availableBiodegradationno information availableMobility in soilno information availableResults of PBT and vPvB assessmentno information availableOther adverse effectsno information availableAdditional informationNone

## 13. DISPOSAL CONSIDERATIONS

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

## 14. TRANSPORT INFORMATION

IATA, IMDG, DOT(US)not dangerous good during transportationUN numbernoneUN proper shipping namenoneTransport hazard classnonePacking groupnoneEnvironmental hazardsnone

## 15. REGULATION INFORTMATION

Special precaution for user none

## **US Federal Regulations**

US Toxic Substances Control Act(TSCA): Not listed SARA 302: No chemicals were found. SARA 313: No chemicals were found. SARA 311/312 Hazards: No chemicals were found.

## 16. OTHER INFORMATION

Classification according to Regulation (EC) Nr. 1272/2008

Prepared by: Regulatory Department Biotium Inc. Version no. 1

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