



Quick Taq[®] HS DyeMix
First issue : Jun. 27, 2008
Revised: Oct. 1, 2012

Safety Data Sheet

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name **Quick Taq[®] HS DyeMix**
Product Code **DTM-101**

SUPPLIER

Name **TOYOBO Co., Ltd.**
Address **2-8 Dojima Hama 2-chome, Kita-Ku, OSAKA 530-8230,
JAPAN**

Department **Life Science Department**
Emergency Telephone No. **+81-6-6348-3786**
Fax No. **+81-6-6348-3833**
Recommended use and restrictions on use **PCR kit for DNA amplification (Reagent for research)**

2 HAZARDS IDENTIFICATION

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

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Product **Mixture**
(Substance/Mixture)

Chemical Nature **Aqueous solutions of enzyme, antibody and other compounds.**

Parts Name **Main components** **CAS No.
(EC No.)**

Quick Taq[®] HS DyeMix **Tris(hydroxymethyl)
aminomethane** **77-86-1**
deoxyadenosine 5'-triphosphate **1927-31-7**
deoxycytidine 5'-triphosphate **102783-51-7**
deoxyguanosine 5'-triphosphate **93919-41-6**
deoxythymidine 5'-triphosphate **18423-43-3**
Taq DNA polymerase **(EC 2.7.7.7)**
Anti-Taq antibodies **-**
(monoclonal antibody)

Components Contributing to the Hazard

Common Chemical Name **Glycerol**
Synonyms **Glycerin**
Chemical formula **CH₂OHCHOHCH₂OH**

Contained **Quick Taq[®] HS DyeMix: 4%**
Parts:Percentage
CAS No. **56-81-5**



Safety Data Sheet

4 FIRST-AID MEASURES 0.5

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 plenty of clean water, immediately.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
Ingestion	Try to get the affected person to vomit as possible. Seek medical attention, immediately.

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. Fire-fighters should wear proper protective equipment in case of large scale fire.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective equipments to avoid eye/skin contact and inhalation.
Environmental Precautions	High concentrated waste fluid should not be directly discharged into rivers.
Methods for Cleaning up	Use cloth, paper, or anything similar to soak up to 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. Avoid substance contact. After handling, wash hands completely.
Safe Handling Advice	Keep the handling area always clean.

STORAGE

Proper Storage Conditions	Keep tightly closed and store at -20°C.
Packaging Materials	Store in the original package



Safety Data Sheet

8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

Control Parameter	
Limit Values	Glycerol
JSOH OEL	Not established
ACGIH TLV	10mg/m ³
OSHA PEL	total dust:15mg/m ³ TWA respirable fr.: 5mg/m ³ TWA

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection	Wear a dust mask.
Hand Protection	Chemical safety gloves.
Eye Protection	Chemical safety goggles.
Skin and Body Protection	Long sleeves to prevent contact with skin.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid. Quick Taq [®] HS DyeMix freeze at less than -20°C.
Colour	blue
Odour	none
pH	6.0-9.0
Flash Point	No flammability due to aqueous solution, but glycerol whose flash point 160°C may stay behind after volatilization.
Explosion limit	Not explosive
Density	1.0-1.2(g/cm ³)
Solubility	Soluble in water.

10 STABILITY AND REACTIVITY

Stability	Stable at below -20°C.
Possible Hazardous	Nothing particular
Reactions	
Conditions to Avoid	High temperature, ignition sources, direct sunlight
Material to Avoid	Strong acids, strong alkalines and strong oxidizers
Hazardous Decomposition	Not available
Product	

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	Not available
Local Effects	May cause eye and skin irritation.
Toxicological information on the component of this product	Glycerol
Acute toxicity (LD50)	Oral-mouse: 4090mg/kg Oral-rat: 12.6g/kg



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Safety Data Sheet

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
	Follow all of the laws and regulations in your respective
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, TOYOBO makes no warranty and assumes no liability whatsoever in connection with any use of this information. The SDS is subject to revision as new information becomes available.
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