



## Material Safety Data Sheet

### 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name **KOD Dash**

Product Code **LDP-101**

#### SUPPLIER

Name **Biochemical Operations Department TOYOBO Co., Ltd.**

Address **2-8 Dojima Hama 2-chome, Kita-Ku OSAKA 530-8230 JAPAN**

Emergency Telephone No. **+81-6-6348-3786**

Fax No. **+81-6-6348-3833**

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Product **Preparation**

(Substance/Preparation)

Chemical Nature

Components **KOD DNA polymerase**

Chemical Name **DNA polymerase** **Glycerol**

Synonym (generic name) **KOD**

CAS No. **(EC2.7.7.7)** **56-81-5**

Concentration **<10%** **Appox.50%**

### 3 HAZARDS IDENTIFICATION

Most Important Hazards **May cause eye and skin irritation. May cause respiratory and digestive tract irritation.**

Specific Hazards **Not available**

### 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 **Flush eyes with clean water for more than 15 min, 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**

### 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions **Avoid substance contact**

Environmental Precautions **Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.**

Methods for Cleaning up **The same as the above.**



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### 7 HANDLING AND STORAGE

#### HANDLING

Technical Measures      Wear a gas mask, rubber gloves and chemical safety goggles. Set up good ventilation and exhaust system in the work area.

Precautions                Keep away from fire or heat.

Safe Handling Advice      Good laboratory technique should be used when handling this product.

#### STORAGE

Technical Measures      Store in the sampling tube.

Storage Conditions       Store at about -20

Incompatible Products    Oxidizers

Packaging Materials      Store in the original package

### 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection    Wear a gas mask. Set up good ventilation and exhaust system in the work area.

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

Colour                        colorless

Odour                         none

pH                              7.0-8.5

Boiling Point                Not available

Melting Point                Not available

Decomposition Temperature Not available

Flash Point                  Not available

Density                        Not available

Solubility                     Soluble in water.

### 10 STABILITY AND REACTIVITY

Stability                      Stable under normal handling and storage conditions

Possible Hazardous Reactions None

Conditions to Avoid        Not available

Material to Avoid            Strong acids, strong alkalines and strong oxidizers

Hazardous Decomposition Product      Not available

### 11 TOXICOLOGICAL INFORMATION

Acute Toxicity                Not available (probably very low)

Local Effects                 Not available (probably very low)



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### 12 ECOLOGICAL INFORMATION

Mobility	Not available
Persistence/Degradability	Not available
Bioaccumulation	Not available

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### 13 DISPOSAL CONSIDERATIONS

Waste from Residues	Dispose of in accordance with all applicable local and national laws and regulations.
Contaminated Packaging	Dispose in the same way as the material.

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### 14 TRANSPORT INFORMATION

International Regulations	
UN Classification Number	Not classified
	Follow all of the laws and regulations in your respective country.
Specific Precautions	To prevent packages from breaking, handle with care.

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### 15 REGULATORY INFORMATION

Follow all of the laws and regulations in your country.

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### 16 OTHER INFORMATION

Notice	The information in this MSDS, 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.
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