Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

- **Product Name**: EASY Dilution (for Real Time PCR)

Other means of identification

- **Product Code**: SD2193
- **Registration number**: No information available

Recommended use of the chemical and restrictions on use

- **Identified uses**: For research use only. Not for use in diagnostic procedures
- **Uses advised against**: No information available

Details of the supplier of the safety data sheet

- **Supplier**
  - Japan: Takara Bio Inc.
    - Nojihigashi 7-4-38
    - Kusatsu, Shiga 525-0058, Japan
    - Phone: +81.77.565.6920
    - Web: www.takara-bio.com
  - China: Takara Biotechnology (Dalian) Co., Ltd.
    - 19-No.2 Dongbei Street
    - Dalian Economic and Technical Development Zone
    - Dalian, 116600
    - Phone: +86.411.8761.9944
    - Web: www.takara.com.cn
  - Korea: Takara Korea Biomedical Inc.
    - 601, New T Castle, 429-1, Gasan-dong, Geumcheon-gu
    - Seoul, 153-803
    - Phone: +82.(0)2.2081.2525
    - Web: www.takara.co.kr

Emergency telephone number

- **Emergency telephone**: In case of emergency, call PERS (Professional Emergency Resource Services)
  - 1-800-633-8253 (US) or 801-629-0667 (international).

Section 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

Signal Word

- **None**
Hazard Statements

Precautionary Statements - Prevention
• Not applicable

Precautionary Statements - Response
• Not applicable

Precautionary Statements - Storage
• Not applicable

Precautionary Statements - Disposal
• Not applicable

Other information
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)
Hazards not otherwise classified (HNOC) Not applicable

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Section 4: FIRST AID MEASURES

General advice
In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation
Move to fresh air.

Skin contact
Wash off immediately with plenty of water for at least 15 minutes.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Ingestion
Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Not an expected route of exposure.

Notes to physician
Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flammable Properties
May cause fire.

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
No information available.

Specific hazards arising from the chemical
Keep product and empty container away from heat and sources of ignition.

Special Extinguishing Media
Cool drums with water spray.
SD2193 - EASY Dilution (for Real Time PCR)

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8.

Environmental precautions

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: HANDLING AND STORAGE

Handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice

Storage

Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Other information

These recommendations apply to the product as supplied.

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory protection

None under normal use conditions.

Hand Protection

Latex gloves.

Eye/Face Protection

Tightly fitting safety goggles.

Skin and body protection

Wear suitable protective equipment. Boots.

Hygiene measures

When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless solution</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
</tbody>
</table>
### Section 10: STABILITY AND REACTIVITY

**Reactivity**
No dangerous reaction known under conditions of normal use

**Stability**
Stable under normal conditions.

**Explosion Data**
- **Sensitivity to Mechanical Impact**: None.
- **Sensitivity to Static Discharge**: None.

**Hazardous Reactions**
None under normal processing

**Conditions to Avoid**
None known based on information supplied

**Hazardous Decomposition Products**
None under normal use conditions

### Section 11: TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity**

- 0.95 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 0.95 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 0.95 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 0.95 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 0.95 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**ATEmix (oral)**
No information available

**ATEmix (dermal)**
No information available
ATEmix (inhalation-gas)  No information available
ATEmix (inhalation-dust/mist)  No information available
ATEmix (inhalation-vapor)  No information available

Numerical measures of toxicity - Component Information

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- Skin corrosion/irritation  No information available.
- Serious Eye Damage/Eye Irritation  No information available.
- Sensitization  No information available.
- mutagenic effects  No information available.
- Reproductive toxicity  No information available.
- STOT - Single Exposure  No information available.
- STOT - Repeated Exposure  No information available.
- Neurological effects  No information available.
- Target Organ Effects  No information available.
- Aspiration Hazard  No information available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability  No information available.
Bioaccumulation  No information available.
Mobility  No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products  Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging  Dispose of in accordance with local regulations.

Section 14: TRANSPORT INFORMATION

IMDG/IMO  Not regulated
ICAO  Not regulated
Section 15: REGULATORY INFORMATION

International Inventories

For research use only

TSCA
Complies

DSL/NDSL
Complies

EINECS/ELINCS
-

ENCS
-

IECSC
Complies

KECL
Complies

PICCS
Complies

AICS
Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Section 16: OTHER INFORMATION

Issuing Date 2016-07-21
Revision Date 2016-07-21
Revision Note No information available.

Key or legend to abbreviations and acronyms used in the safety data sheet

• No information available

Disclaimer
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End of Safety Data Sheet