Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

- Product Name: SOC Medium

Other means of identification

- Product Code: ST0215
- 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

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)
Hazard statements 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.
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>Aqueous solution</td>
</tr>
<tr>
<td>Color</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</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
- 2.848 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 2.848 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 2.848 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 2.848 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 2.848 % 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
3.708 % 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
Japan

Section 15: REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>-</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>-</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>-</td>
</tr>
<tr>
<td>ENCS</td>
<td>-</td>
</tr>
<tr>
<td>IECSC</td>
<td>-</td>
</tr>
<tr>
<td>KECL</td>
<td>-</td>
</tr>
<tr>
<td>PICCS</td>
<td>-</td>
</tr>
<tr>
<td>AICS</td>
<td>-</td>
</tr>
</tbody>
</table>

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          | 2016-07-22
Revision Date         | 2016-07-22
Revision Note         | No information available.

Key or legend to abbreviations and acronyms used in the safety data sheet
• No information available

Disclaimer
This SDS complies with the requirements of JIS Z 7250:2010 and JIS Z 7252:2009 (Japan). The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Notice to Purchaser:
Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval. Your use of this product is also subject to compliance with the licensing requirements described on the product's web page. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements. All other marks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions.

End of Safety Data Sheet