1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier
Product name: CULTURE SOLUTION
Synonym(s): SYDNEY IVF BLASTOCYST THAWING KIT (K-SIBT); SYDNEY IVF BLASTOCYST VITRIFICATION KIT (K-SIBV); SYDNEY IVF BLASTOCYST WARMING KIT (K-SIBW); SYDNEY IVF CRYOPRESERVATION KIT (K-SICS); SYDNEY IVF THAWING KIT (K-SITS); SYDNEY IVF BLASTOCYST CRYOPRESERVATION KIT (K-SIBF); SYDNEY IVF EMBRYO BIOPSY MEDIUM (K-SIEB); SYDNEY IVF BLASTOCYST MEDIUM (K-SIBM); SYDNEY IVF FERTILIZATION MEDIUM (K-SIFM); SYDNEY IVF CLEAVAGE MEDIUM (K-SICM); SYDNEY IVF FLUSH BUFFER (K-SIFB); SYDNEY IVF HYALURONIDASE (K-SIHY); SYDNEY IVF GAMETE BUFFER (K-SIGB); SYDNEY IVF SPERM CRYOPRESERVATION BUFFER (K-SISC); SYDNEY IVF SPERM MEDIUM (K-SISM); SYDNEY IVF PVP (K-SIPV)

1.2 Uses and uses advised against
Use(s): LABORATORY APPLICATIONS • LABORATORY REAGENT
Use(s) advised against: K-SIBV kit contains a 10 mL vial of 100% Dimethyl sulfoxide (DMSO). See SDS for K-SIBV-SOL4.

1.3 Details of the supplier of the product
Supplier name: WILLIAM A. COOK AUSTRALIA PTY LTD
Address: 95 Brandl Street, Eight Mile Plains, QLD, 4113, AUSTRALIA
Telephone: (07) 3841 1188
Fax: (07) 3841 1288

1.4 Emergency telephone number(s)
Emergency: 1800 777 222 (EST 6am-5pm Weekdays)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

2.2 Label elements
No signal word, pictograms, hazard or precautionary statements have been allocated.

2.3 Other hazards
No information provided.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMAN SERUM ALBUMIN (HSA)</td>
<td>-</td>
<td>-</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>ETHYLENEDIAMINETETRA-ACETIC ACID (EDTA)</td>
<td>60-00-4</td>
<td>200-449-4</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>GENTAMICIN SULPHATE</td>
<td>1405-41-0</td>
<td>215-778-9</td>
<td>&lt;0.01%</td>
</tr>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>&gt;60%</td>
</tr>
</tbody>
</table>
# 4. FIRST AID MEASURES

## 4.1 Description of first aid measures

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye</strong></td>
<td>If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.</td>
</tr>
<tr>
<td><strong>Skin</strong></td>
<td>If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.</td>
</tr>
</tbody>
</table>

### First aid facilities

None allocated.

## 4.2 Most important symptoms and effects, both acute and delayed

Adverse effects not expected from this product under normal conditions of use.

## 4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

# 5. FIRE FIGHTING MEASURES

## 5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

## 5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases if strongly heated.

## 5.3 Advice for firefighters

Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

### Hazchem code

None allocated.

# 6. ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

## 6.2 Environmental precautions

Prevent product from entering drains and waterways.

## 6.3 Methods of cleaning up

If spilt (bulk), mop up area. CAUTION: Spill site may be slippery.

## 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

# 7. HANDLING AND STORAGE

## 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

## 7.3 Specific end use(s)

No information provided.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure standards
No exposure standards have been entered for this product.

Biological limits
No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering controls Avoid inhalation. Use in well ventilated areas.

PPE
- Eye / Face: Wear splash-proof goggles.
- Hands: With prolonged use, wear PVC or rubber gloves.
- Body: Not required under normal conditions of use.
- Respiratory: Not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>CLEAR COLOURLESS LIQUID</td>
</tr>
<tr>
<td>Odour</td>
<td>SLIGHT ODOUR</td>
</tr>
<tr>
<td>Flammability</td>
<td>NON FLAMMABLE</td>
</tr>
<tr>
<td>Flash point</td>
<td>NOT RELEVANT</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100°C (Approximately)</td>
</tr>
<tr>
<td>Melting point</td>
<td>&lt; 0°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>AS FOR WATER</td>
</tr>
<tr>
<td>pH</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Vapour density</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.0 (Approximately)</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>SOLUBLE</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>18 mm Hg @ 20°C</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>NOT RELEVANT</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>NOT RELEVANT</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

9.2 Other information

% Volatiles > 60 % (Water)

10. STABILITY AND REACTIVITY

10.1 Reactivity
Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability
Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions
Hazardous polymerization is not expected to occur.
10.4 Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials
Compatible with most commonly used materials.

10.6 Hazardous decomposition products
May evolve toxic gases if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: This product is expected to be of low acute toxicity. Under normal conditions of use, adverse health effects are not anticipated.

Information available for the ingredient(s):

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral Toxicity (LD50)</th>
<th>Dermal Toxicity (LD50)</th>
<th>Inhalation Toxicity (LC50)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYLENEDIAMINETETRA-ACETIC ACID (EDTA)</td>
<td>2580 mg/kg (rat)</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GENTAMICIN SULPHATE</td>
<td>&gt; 5000 mg/kg (rat)</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

Skin: Not classified as a skin irritant. Contact may result in mild irritation.

Eye: Not classified as an eye irritant. Contact may cause discomfort, lacrimation and redness.

Sensitisation: Not classified as causing skin or respiratory sensitisation.

Mutagenicity: No evidence of mutagenic effects.

Carcinogenicity: No evidence of carcinogenic effects.

Reproductive: No relevant or reliable studies were identified.

STOT - single exposure: No known effects from this product.

STOT - repeated exposure: No known effects from this product.

Aspiration: This product does not present an aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No information provided.

12.2 Persistence and degradability
No information provided.

12.3 Bioaccumulative potential
No information provided.

12.4 Mobility in soil
No information provided.

12.5 Other adverse effects
This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities. Not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal: No special precautions are required for the disposal of this product.

Legislation: Dispose of in accordance with relevant local legislation.
14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG / IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN Number</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
<tr>
<td>14.2 Proper</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
<tr>
<td>Shipping Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.3 Transport</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
<tr>
<td>hazard class</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.4 Packing Group</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

14.5 Environmental hazards
No information provided.

14.6 Special precautions for user

| Hazchem code         | None allocated. |

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Poison schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
- Classifications: Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.
  The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].
- Hazard codes: None allocated.
- Risk phrases: None allocated.
- Safety phrases: None allocated.
- Inventory listing(s): AUSTRALIA: AICS (Australian Inventory of Chemical Substances)
  All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information: Additional supplier contact details:
Cook Medical Incorporated, PO Box 4195, Bloomington, Indiana 47402-4195, USA. Phone: 812 339 2235, Toll Free: 800 457 4500, Toll Free Fax: 800 554 8335.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.
Abbreviations

ACGIH  American Conference of Governmental Industrial Hygienists  
CAS #   Chemical Abstract Service number - used to uniquely identify chemical compounds  
CNS    Central Nervous System  
EC No.  EC No - European Community Number  
EMS    Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)  
GHS    Globally Harmonized System  
GTEPG  Group Text Emergency Procedure Guide  
IARC   International Agency for Research on Cancer  
LC50   Lethal Concentration, 50% / Median Lethal Concentration  
LD50   Lethal Dose, 50% / Median Lethal Dose  
mg/m³  Milligrams per Cubic Metre  
OEL    Occupational Exposure Limit  
pH     relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).  
ppm    Parts Per Million  
STEL   Short-Term Exposure Limit  
STOT-RE Specific target organ toxicity (repeated exposure)  
STOT-SE Specific target organ toxicity (single exposure)  
SUSMP  Standard for the Uniform Scheduling of Medicines and Poisons  
SWA    Safe Work Australia  
TLV    Threshold Limit Value  
TWA    Time Weighted Average  

Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet (‘SDS’).

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

Prepared by

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Web: www.rmt.com.au  

[ End of SDS ]