# SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 453/2010)

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

<table>
<thead>
<tr>
<th><strong>Product identifier</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product code</strong></td>
</tr>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Chemical Name</strong></td>
</tr>
<tr>
<td><strong>REACH registration number</strong></td>
</tr>
</tbody>
</table>

## Relevant identified uses of the substance or mixture and uses advised against

- **Use Description Code**: Not Available
- **Uses advised against**: Not for consumer use.

## Details of the supplier of the safety data sheet

**Manufacturer/Supplier**

LIFE TECHNOLOGIES EUROPE BV
KWARTSWEG 2
2665 NN BLEISWIJK
NETHERLANDS
31-(0)180 392 400
Email: MSDS@lifetech.com

Thermo Fisher Scientific
Pierce Biotechnology
P.O. Box 117
Rockford, IL 61105
United States
1.815.968.0747 or
1.800.874.3723

**24 hour Emergency Response**

866-536-0631
301-431-8585
Outside of the U.S. ++1-301-431-8585

**Country specific Emergency Number (if available):**

CHEMTREC Ireland (Dublin) +353-19014670 (Greeting Language: English and Irish)
CHEMTREC UK (London) +44-870-8200418 (Greeting Language: English)
SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Physical hazards
Not classified

Health hazards
Not classified

Environmental Hazards
Not classified

Additional information
Not applicable

Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms
No Pictogram

Signal word
None

hazard statements
Not applicable

Precautionary Statements
Not applicable

Other Hazards
This mixture does not contain any substances that are assessed to be a PBT or a vPvB

SECTION 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.
SECTION 4: First aid measures

Description of first aid measures

Skin contact
Rinse with plenty of water. Immediate medical attention is not required.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

INGESTION
Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Inhalation
Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Notes to Physician
Treat symptomatically.

Most important symptoms and effects, both acute and delayed
Not applicable.

Indication of any immediate medical attention and special treatment needed
None.

SECTION 5: Firefighting measures

Extinguishing media

Suitable Extinguishing Media

Unsuitable Extinguishing Media
No information available.

Special hazards arising from the substance or mixture
Not known.

Advice for fire-fighters
Standard procedure for chemical fires.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.

Environmental precautions
No special environmental precautions required.

Methods and material for containment and cleaning up
Take up mechanically, placing in appropriate containers for disposal.

Reference to other sections
See section 8 for more information.

SECTION 7: Handling and storage

Precautions for safe handling
Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities
Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Specific end use(s)
Use as laboratory reagent. Scientific research and development.
SECTION 8: Exposure controls/personal protection

Control parameters

Exposure Limits
Exposure Limits  Contains no substances with occupational exposure limit values.

Engineering measures  Ensure adequate ventilation, especially in confined areas.

Exposure controls

Personal protection equipment

Respiratory protection  In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand Protection  Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

Eye protection  Tight sealing safety goggles.

Skin and body protection  Wear suitable protective clothing.

Hygiene measures  Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls
No special environmental precautions required.
### SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>powder</td>
</tr>
<tr>
<td>Odour</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point / melting range</td>
<td>°C Mixture has not been tested</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>°C Mixture has not been tested</td>
</tr>
<tr>
<td>Flash point</td>
<td>°C Mixture has not been tested</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>°C Mixture has not been tested</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>°C Mixture has not been tested</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>Mixture has not been tested</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>Mixture has not been tested</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Mixture has not been tested</td>
</tr>
<tr>
<td>Relative density</td>
<td>Mixture has not been tested</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>no data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>no data available</td>
</tr>
<tr>
<td>Partition coefficient:</td>
<td>no data available</td>
</tr>
<tr>
<td>n-octanol/water</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Mixture has not been tested</td>
</tr>
<tr>
<td>OTHER INFORMATION</td>
<td>no data available</td>
</tr>
</tbody>
</table>

### SECTION 10: Stability and reactivity

Reactivity
None known.

Chemical stability
Stable under normal conditions.

Possibility of hazardous reactions
Hazardous reaction has not been reported.

Conditions to Avoid
No information available.

Incompatible Materials
No dangerous reaction known under conditions of normal use.

Hazardous decomposition products
no data available.

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Revision date 22-Jan-2016
Product code 20589
Product name DISUCCINIMIDYL TARTRATE

www.thermofisher.com
SECTION 11: Toxicological information

Information on toxicological effects

There is no evidence available indicating acute toxicity.

Principle Routes of Exposure, Potential health effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irritation</td>
<td>Conclusive but not sufficient for classification</td>
</tr>
<tr>
<td>Corrosivity</td>
<td>Conclusive but not sufficient for classification</td>
</tr>
<tr>
<td>Sensitisation</td>
<td>Conclusive but not sufficient for classification</td>
</tr>
<tr>
<td>STOT - Single Exposure</td>
<td>Conclusive but not sufficient for classification</td>
</tr>
<tr>
<td>STOT - Repeated Exposure</td>
<td>Conclusive but not sufficient for classification</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Conclusive but not sufficient for classification</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>Conclusive but not sufficient for classification</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Conclusive but not sufficient for classification</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

Toxicity
Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Results of PBT and vPvB assessment
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects No information available.

SECTION 13: Disposal considerations

Waste treatment methods
The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.
SECTION 14: Transport information

IATA / ADR / DOT-US / IMDG
Not classified as dangerous in the meaning of transport regulations.

UN Number Not applicable
UN proper shipping name Not applicable
Transport hazard class(es) Not applicable
Packing group Not applicable
Environmental Hazards Not applicable
Special precautions for user Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

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

Substances of Very High Concern
None.

Restricted substances under EC 1907/2006, Annex XVII
None.

Substances listed under Annex I of Regulation (EC) No 689/2008
None.

Restricted substances under Annex V of Regulation (EC) No 689/2008
None.

None.

German Water hazard classes (Wassergefährdungsklassen)
Not classified.

Other International Inventories

Chemical Safety Assessment
No Chemical safety assessment has been carried out.
SECTION 16: Other information

Reason for revision

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

“The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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