SAFETY DATA SHEET

CELLCEPT(R) Powder for Susp. 200mg/ml

SECTION 1. IDENTIFICATION

Product name : CELLCEPT(R) Powder for Susp. 200mg/ml
Product code : RO106-1443/F06
Common name(s), synonym(s) of the substance : CELLCEPT Powder for suspension 200 mg/ml

Manufacturer or supplier’s details
Company name of supplier : Genentech, Inc.
Address : 1 DNA Way
           South San Francisco, CA 94080
           USA
Telephone : 001-(650) 225-1000
E-mail address : info.sds@roche.com
Emergency telephone : US Chemtrec phone (800)-424-9300

Recommended use of the chemical and restrictions on use
Recommended use : Formulated pharmaceutical active substance
Restrictions on use : For professional users only.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Combustible dust
Acute toxicity (Oral) : Category 4
Germ cell mutagenicity : Category 2
Carcinogenicity : Category 1A
Reproductive toxicity : Category 1B
Specific target organ toxicity - repeated exposure : Category 1

GHS label elements
Hazard pictograms : ☠️⚠️
Signal Word : Danger
Hazard Statements: May form combustible dust concentrations in air.
H302 Harmful if swallowed.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H360D May damage the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mycophenolate mofetil</td>
<td>128794-94-5</td>
<td>31.8</td>
</tr>
<tr>
<td>D-Glucitol</td>
<td>50-70-4</td>
<td>63.6</td>
</tr>
<tr>
<td>Sodium citrate dihydrate</td>
<td>6132-04-3</td>
<td>1.6</td>
</tr>
<tr>
<td>Silica</td>
<td>7631-86-9</td>
<td>1.6</td>
</tr>
<tr>
<td>Benzoic acid, 4-hydroxy-, methyl ester</td>
<td>99-76-3</td>
<td>0.48</td>
</tr>
<tr>
<td>Lecithins</td>
<td>8002-43-5</td>
<td>0.32</td>
</tr>
<tr>
<td>Xanthan gum</td>
<td>11138-66-2</td>
<td>0.16</td>
</tr>
<tr>
<td>L-Phenylalanine, L- alpha-aspartyl, 2-methyl ester</td>
<td>22839-47-0</td>
<td>0.16</td>
</tr>
<tr>
<td>1,2,3-Propanetricarboxylic acid, 2-hydroxy-</td>
<td>77-92-9</td>
<td>0.03</td>
</tr>
<tr>
<td>non hazardous compounds</td>
<td>Not Assigned</td>
<td>&lt; 0.3</td>
</tr>
</tbody>
</table>
SECTION 4. FIRST AID MEASURES

General advice
Move out of dangerous area.
Show this material safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled
Move to fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact
If on skin, rinse well with water.

In case of eye contact
Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.
Rinse mouth with water.

Most important symptoms and effects, both acute and delayed
No information available.
Harmful if swallowed.
Suspected of causing genetic defects.
May cause cancer.
May damage the unborn child.
Causes damage to organs through prolonged or repeated exposure.

Notes to physician
The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

SECTION 5. FIRE-FIGHTING MEASURES

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

Unsuitable extinguishing media
High volume water jet

Specific hazards during firefighting
Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products
Carbon oxides
In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Sodium oxides
May release combustible and toxic gases

Further information:
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters:
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Avoid exposure
Use personal protective equipment.
Avoid dust formation.
Avoid breathing dust.

Environmental precautions:
Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion:
Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling:
Avoid formation of respirable particles.
Do not breathe vapors/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage:
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions:
See label, package insert or internal guidelines

Storage temperature:
Keep in a dry place.
Keep in a well-ventilated place.
Further information on storage stability: Keep in a dry place. No decomposition if stored and applied as directed.

Packaging material: Suitable material: glass, glass bottles, Plastic container of HDPE

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mycophenolate mofetil</td>
<td>128794-94-5</td>
<td>IOEL</td>
<td>0.01 mg/m³</td>
<td>Roche Industrial Hygiene Committee (RIHC)</td>
</tr>
<tr>
<td>The value is given in analogy to the following substances: Mycophenolic acid</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td>7631-86-9</td>
<td>TWA (Dust)</td>
<td>20 Million particles per cubic foot (Silica)</td>
<td>OSHA Z-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Dust)</td>
<td>80 mg/m³ / %SiO₂ (Silica)</td>
<td>OSHA Z-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Respirable dust)</td>
<td>6 mg/m³ (Silica)</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Respirable dust)</td>
<td>0.05 mg/m³ (Silica)</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL (respirable)</td>
<td>0.05 mg/m³</td>
<td>OSHA CARC</td>
</tr>
</tbody>
</table>

Predicted No Effect Concentration (PNEC):

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Environmental Compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mycophenolate mofetil</td>
<td>Surface waters</td>
<td>0.58 µg/l</td>
</tr>
<tr>
<td>Remarks: Based on chronic data</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engineering measures: No data available

Personal protective equipment

Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter. Effective dust mask

Hand protection

In case of contact through splashing:

<table>
<thead>
<tr>
<th>Material</th>
<th>Break through time</th>
<th>Glove thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrile rubber</td>
<td>&gt; 30 min</td>
<td>&gt; 0.11 mm</td>
</tr>
</tbody>
</table>

In case of full contact:

<table>
<thead>
<tr>
<th>Material</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Butyl-rubber</td>
<td></td>
</tr>
</tbody>
</table>
Break through time: > 480 min
Glove thickness: > 0.4 mm
Remarks: Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.
Eye protection: Eye wash bottle with pure water
Skin and body protection: Dust impervious protective suit
Protective measures: Instruction of employees mandatory
Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: powder
Color: white
Odor: Not applicable
Odor Threshold: Not applicable
pH: Not applicable
Melting point/range: No data available
Boiling point/boiling range: No data available
Evaporation rate: No data available
Self-ignition: No data available
Upper explosion limit / Upper flammability limit: No data available
Lower explosion limit / Lower flammability limit: No data available
Vapor pressure: No data available
Relative vapor density: Not applicable
Relative density: No data available
Solubility(ies):
SAFETY DATA SHEET

CELLCEPT(R) Powder for Susp. 200mg/ml

Version 2.0
Revision Date: 10-27-2022
Date of last issue: 02-18-2020
Date of first issue: 06-10-2017

Water solubility: No data available
Solubility in other solvents: No data available
Partition coefficient: n-octanol/water: No data available
Autoignition temperature: No data available
Decomposition temperature: No data available
Viscosity
Viscosity, dynamic: Not applicable
Viscosity, kinematic: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: No decomposition if stored and applied as directed. Dust may form explosive mixture in air.
Incompatible materials: No data available
Hazardous decomposition products: No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Harmful if swallowed.

Product:
Acute oral toxicity: Acute toxicity estimate: 1,111 mg/kg
Method: Calculation method

Components:
Mycophenolate mofetil:
Acute oral toxicity: LD50 Oral (Rat, female): 353 mg/kg

Sodium citrate dihydrate:
Acute oral toxicity: LD50 Oral (Mouse): 5,400 mg/kg
Method: OECD Test Guideline 401
Remarks: Based on data from similar materials
Acute dermal toxicity: LD50 Dermal (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: No mortality observed at this dose.
The value is given in analogy to the following substances:
Citric acid

Silica:
Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
GLP: yes

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.01 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 436
GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg
Method: No information available.
GLP: No information available.

Skin corrosion/irritation
Not classified based on available information.

Components:
Mycophenolate mofetil:
Species : laboratory animal
Result : No skin irritation

Sodium citrate dihydrate:
Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
Test substance : anhydrous substance

Silica:
Species : Rabbit
Exposure time : 4 h
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : No information available.

Serious eye damage/eye irritation
Not classified based on available information.

Components:
Mycophenolate mofetil:
Species : laboratory animal
Result : No eye irritation
Sodium citrate dihydrate:
Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
Test substance: anhydrous substance

Silica:
Species: Rabbit
Result: No eye irritation
Exposure time: 24 h
GLP: no

Respiratory or skin sensitization

Skin sensitization
Not classified based on available information.

Respiratory sensitization
Not classified based on available information.

Components:

Mycophenolate mofetil:
Result: Did not cause sensitization on laboratory animals.

Sodium citrate dihydrate:
Test Type: Maximization Test
Species: Guinea pig
Assessment: Does not cause skin sensitization.
Method: OECD Test Guideline 406
Test substance: anhydrous substance

Silica:
Test Type: Maximization Test
Species: Guinea pig
Assessment: Does not cause skin sensitization.
Method: OECD Test Guideline 406
Result: Did not cause sensitization on laboratory animals.
GLP: yes

Germ cell mutagenicity
Suspected of causing genetic defects.

Components:

Mycophenolate mofetil:
Genotoxicity in vitro: Test Type: Ames test
Result: negative
The value is given in analogy to the following substances: Mycophenolic acid

Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 473
<table>
<thead>
<tr>
<th>Genotoxicity in vivo</th>
<th>Test Type: Micronucleus test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Species: Mouse</td>
<td>Method: OECD Test Guideline 474</td>
</tr>
<tr>
<td>Result: positive</td>
<td>The value is given in analogy to the following substances: Mycophenolic acid</td>
</tr>
</tbody>
</table>

| Germ cell mutagenicity - Assessment | In vitro tests showed mutagenic effects |

### Sodium citrate dihydrate:

<table>
<thead>
<tr>
<th>Genotoxicity in vitro</th>
<th>Test Type: Microbial mutagenesis assay (Ames test)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test system: Salmonella typhimurium</td>
<td>Metabolic activation: with and without metabolic activation</td>
</tr>
<tr>
<td>Method: OECD Test Guideline 471</td>
<td>Result: negative</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Genotoxicity in vivo</th>
<th>Test Type: Micronucleus test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test system: Human lymphocytes</td>
<td>Method: OECD Test Guideline 487</td>
</tr>
<tr>
<td>Result: positive</td>
<td>The value is given in analogy to the following substances: Mycophenolic acid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Silica:</th>
<th>Test Type: Microbial mutagenesis assay (Ames test)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test system: Salmonella typhimurium</td>
<td>Metabolic activation: with and without metabolic activation</td>
</tr>
<tr>
<td>Method: OECD Test Guideline 471</td>
<td>Result: negative</td>
</tr>
<tr>
<td>GLP: yes</td>
<td>Test Type: Microbial mutagenesis assay (Ames test)</td>
</tr>
</tbody>
</table>
Test system: Escherichia coli
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Test Type: In vitro mammalian cell gene mutation test
Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 490
Result: negative
GLP: yes

Genotoxicity in vivo:
Species: Rat (male)
Cell type: Bone marrow
Application Route: Oral
Method: OECD Test Guideline 475
Result: negative
GLP: no

Carcinogenicity
May cause cancer.

Components:

Mycophenolate mofetil:
Species: laboratory animal
Result: negative

Silica:
Species: Rat, male and female
Application Route: Oral
Exposure time: 2 Years
Method: No information available.
Result: negative
GLP: No information available.

IARC
No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA
OSHA specifically regulated carcinogen
Silica (crystalline silica) 7631-86-9

NTP
Known to be human carcinogen
Silica (Silica, Crystalline (Respirable Size)) 7631-86-9

Reproductive toxicity
May damage the unborn child.

Components:

Mycophenolate mofetil:
Effects on fetal development: Species: laboratory animal
Result: Teratogenic effects.

Reproductive toxicity - Assessment: May damage the unborn child., Presumed human reproductive toxicant.

Silica:
Effects on fertility: Species: Rat, male and female
Application Route: Oral
Dose: 100, 300, 1000 mg/kg bw/day
General Toxicity Parent: NOAEL: >= 1,000 mg/kg body weight
General Toxicity F1: NOAEL: >= 1,000 mg/kg body weight
Method: OECD Test Guideline 416
GLP: yes

Effects on fetal development: Species: Mouse, female
Application Route: Oral
Dose: 13.4, 62.3, 289, 1340 mg/kg bw/day
Duration of Single Treatment: 6 - 15 d
General Toxicity Maternal: LOAEL: >= 1,340 mg/kg bw/day
Embryo-fetal toxicity: NOAEL: >= 1,340 µg/kg body weight
Method: No information available.
GLP: No information available.

STOT-single exposure
Not classified based on available information.

STOT-repeated exposure
Causes damage to organs through prolonged or repeated exposure.

Components:
Mycophenolate mofetil:
Assessment: Causes damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:
Silica:
Species: Rat, male and female
NOEL: 4000 mg/kg
Application Route: Oral
Exposure time: 13 Weeks
Method: OECD Test Guideline 408
GLP: yes

Aspiration toxicity
Not classified based on available information.
SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Mycophenolate mofetil:

Toxicity to fish:

| NOEC (Poecilia reticulata (guppy)): 1.7 mg/l |
| Exposure time: 96 h |
| Method: OECD Test Guideline 203 |
| GLP: no |

Toxicity to daphnia and other aquatic invertebrates:

| EC50 (Daphnia magna (Water flea)): > 100 mg/l |
| Exposure time: 48 h |
| Method: OECD Test Guideline 202 |
| GLP: no |
| Remarks: nominal concentration |

| NOEC (Daphnia magna (Water flea)): 27.7 mg/l |
| Exposure time: 48 h |
| Method: OECD Test Guideline 202 |
| GLP: no |
| Remarks: average measured concentration |

Toxicity to algae/aquatic plants:

| ErC50 (Desmodesmus subspicatus (green algae)): 0.6 mg/l |
| Exposure time: 72 h |
| Analytical monitoring: yes |
| Method: OECD Test Guideline 201 |
| GLP: no |
| Remarks: average measured concentration |

| EyC50 (Desmodesmus subspicatus (green algae)): 0.2 mg/l |
| Exposure time: 72 h |
| Analytical monitoring: yes |
| Method: OECD Test Guideline 201 |
| GLP: no |
| Remarks: average measured concentration |

| NOEC (Desmodesmus subspicatus (green algae)): 0.1 mg/l |
| Exposure time: 72 h |
| Analytical monitoring: yes |
| Method: OECD Test Guideline 201 |
| GLP: no |
| Remarks: nominal concentration |

Lowest Observed Effect Concentration (Desmodesmus subspicatus (green algae)): 1.6 mg/l
Exposure time: 14 d
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: no
Remarks: nominal concentration

| ErC50 (Anabaena flos-aquae (cyanobacterium)): 0.423 mg/l |
| Exposure time: 72 h |
## Toxicity to fish (Chronic toxicity)

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 (mg/l)</th>
<th>Exposure Time (h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14/22</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC10 (mg/l)</th>
<th>Exposure Time (d)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium citrate dihydrate</td>
<td>&gt; 18,000</td>
<td>48</td>
</tr>
<tr>
<td>Silica</td>
<td>&gt; 5,000</td>
<td>8</td>
</tr>
</tbody>
</table>
End point: mortality
Exposure time: 96 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 203
GLP: no

Toxicity to daphnia and other aquatic invertebrates :
EL50 (Daphnia magna (Water flea)): > 10,000 mg/l
End point: Immobilization
Exposure time: 24 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic plants :
EC50 (Desmodesmus subspicatus (green algae)): > 173.1 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) :
Lowest Observed Effect Concentration (Daphnia magna (Water flea)): 149.2 mg/l
End point: mortality
Exposure time: 21 d
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 211
GLP: yes

Toxicity to microorganisms :
NOEC (activated sludge): 1,000 mg/l
End point: Respiration inhibition
Exposure time: 3 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 209
GLP: yes

Ecotoxicology Assessment
Toxicity Data on Soil :
Not expected to adsorb on soil.

Other organisms relevant to the environment :
No data available

Persistence and degradability

Components:

Mycophenolate mofetil:
Biodegradability :
aerobic
Inoculum: activated sludge, non-adapted
Concentration: 100 mg/l
Result: Not readily biodegradable.
Biodegradation: < 6 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
GLP: no
Remarks: Primary biodegradation

Biodegradation: 82.2 %
Testing period: 2.9 d
Exposure time: 28 d
Method: OECD Test Guideline 314
GLP: yes
Remarks: Ultimate aerobic biodegradation
The value is given in analogy to the following substances:
Mycophenolic acid

Testing period: 1.7 d
Method: OECD Test Guideline 314
GLP: yes
Remarks: Primary biodegradation
The value is given in analogy to the following substances:
Mycophenolic acid

Stability in water:

- Hydrolysis: 50 % at 37 °C (118 h)
- Hydrolysis: 50 % at 37 °C (19 h)

**Sodium citrate dihydrate:**

Biodegradability: Result: Readily biodegradable.
Biodegradation: 97 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
Remarks: Based on data from similar materials

**Silica:**

Biodegradability: Remarks: Not applicable

**Bioaccumulative potential**

**Components:**

**Mycophenolate mofetil:**

- Partition coefficient: n-octanol/water: log Pow: 1.45
  pH: 7.4
- log Pow: 0.47
  pH: 7.0

**Sodium citrate dihydrate:**

- Bioaccumulation: Bioconcentration factor (BCF): 3.2
  Remarks: Based on data from similar materials
- Partition coefficient: n-octanol/water: Remarks: No data available
octanol/water

Silica:
Partition coefficient: n-octanol/water : Remarks: Not applicable

Mobility in soil

Components:
Mycophenolate mofetil: Distribution among environmental compartments : Medium: Soil
Koc: 168 - 557 ml/g
Kd: 2.2 - 5.5 ml/g
Method: OECD Test Guideline 106
Remarks: Mobile in soils
Not expected to adsorb on soil.

Medium: Sludge
Koc: 30 - 37 ml/g
Kd: 9.3 - 13 ml/g
Method: OECD Test Guideline 106

Other adverse effects

Product:
Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.
SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG
UN number : UN 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Mycophenolate mofetil mixture 32%)
Class : 9
Packing group : III
Labels : 9

IATA-DGR
UN/ID No. : UN 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
(Mycophenolate mofetil mixture 32%)
Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 956
Packing instruction (passenger aircraft) : 956
Environmentally hazardous : yes

IMDG-Code
UN number : UN 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Mycophenolate mofetil mixture 32%)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

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

Domestic regulation

49 CFR
UN/ID/NA number : UN 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
(Mycophenolate mofetil mixture 32%)
Class : 9
Packing group : III
Labels : CLASS 9
ERG Code : 171
Marine pollutant : no

Special precautions for user
Remarks : No data available

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet.
Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards:
- Combustible dust
- Acute toxicity (any route of exposure)
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)

SARA 313:
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act
This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307
This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know
Silica 7631-86-9

Pennsylvania Right To Know
D-Glucitol 50-70-4
Mycophenolate mofetil 128794-94-5
Silica 7631-86-9

Maine Chemicals of High Concern
Silica 7631-86-9
Benzoic acid, 4-hydroxy-, methyl ester 99-76-3

Vermont Chemicals of High Concern
Benzoic acid, 4-hydroxy-, methyl ester 99-76-3

Washington Chemicals of High Concern
Benzoic acid, 4-hydroxy-, methyl ester 99-76-3

California Prop. 65
WARNING: This product can expose you to chemicals including Silica, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances
Silica 7631-86-9

California Permissible Exposure Limits for Chemical Contaminants
Silica 7631-86-9

The ingredients of this product are reported in the following inventories:

The ingredients of this product are reported in the following inventories:

AIIC : Not in compliance with the inventory

DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.

Mycophenolate mofetil
non hazardous compounds

NZIoC : Not in compliance with the inventory

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

TCSI : Not in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

TECI : Not in compliance with the inventory

TSCA list
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION
SAFETY DATA SHEET

CELLCEPT(R) Powder for Susp. 200mg/ml

Version 2.0
Revision Date: 10-27-2022
Date of last issue: 02-18-2020
Date of first issue: 06-10-2017

**NFPA 704:**

**Health**

<table>
<thead>
<tr>
<th>3</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Special hazard

**NFPA 704:**

**Flammability**

<table>
<thead>
<tr>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
</tr>
</tbody>
</table>

**PHYSICAL HAZARD**

| 0 |

**HMIS® IV:**

**HEALTH**

<table>
<thead>
<tr>
<th>*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

**FLAMMABILITY**

| 3 |

**PHYSICAL HAZARD**

| 0 |

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

**Full text of other abbreviations**

NIOSH REL : USA, NIOSH Recommended Exposure Limits
OSHA CARC : OSHA Specifically Regulated Chemicals/Carcinogens
OSHA Z-3 : USA, Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA CARC / PEL : Permissible exposure limit (PEL)
OSHA Z-3 / TWA : 8-hour time weighted average

AICL - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50% of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substrate; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act;
SAFETY DATA SHEET

CELLCEPT(R) Powder for Susp. 200mg/ml

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date:</th>
<th>Date of last issue:</th>
<th>Date of first issue:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>10-27-2022</td>
<td>02-18-2020</td>
<td>06-10-2017</td>
</tr>
</tbody>
</table>

REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 10-27-2022

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.

US / Z8 / 2104