<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2180</td>
<td>Wizard® PCR Preps DNA Purification Resin 250 preps</td>
</tr>
</tbody>
</table>

Components:

<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A718</td>
<td>Wizard® PCR Preps DNA Purification Resin</td>
</tr>
<tr>
<td>A724A</td>
<td>Direct Purification Buffer</td>
</tr>
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</table>
1 Identification

Product identifier

Trade name: Wizard® PCR Preps DNA Purification Resin

Article number: A718

Application of the substance / the preparation: Laboratory chemicals

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Promega Corporation
2800 Woods Hollow Road
Madison, WI 53711
U.S.A.
1-608-274-4330
1-800-356-9526

SDS author: Regulatory.Affairs@promega.com

Further information obtainable from:

Promega UK
Delta House
Southampton Science Park
Southampton SO16 7NS
United Kingdom
Tel: (44) 23 8076 0225
Fax: (44) 23 8076 7014
Freephone: 0800 378994
E-mail Address: ukcustserve@promega.com

Emergency telephone number:

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted). Within UK +(44)-870-8200418.

2 Hazard(s) identification

Classification of the substance or mixture

GHS05 corrosion

Skin Corr. 1B  H314  Causes severe skin burns and eye damage.
Eye Dam. 1   H318  Causes serious eye damage.

GHS07

Acute Tox. 4  H302  Harmful if swallowed.
Acute Tox. 4  H332  Harmful if inhaled.
Label elements

GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms GHS05, GHS07

Signal word Danger

Hazard-determining components of labelling:
guanidinium thiocyanate

Hazard statements
Harmful if swallowed or if inhaled.
Causes severe skin burns and eye damage.

Precautionary statements
Do not breathe dusts or mists,
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see on this label).
Wear contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterisation: Mixtures

Description:
The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances.

Components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>593-84-0 guanidinium thiocyanate</td>
<td>50-75%</td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed hazard phrases refer to section 15.

4 First-aid measures

Description of first aid measures

General information:
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Seek medical treatment.

After inhalation:
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
**Trade name:** Wizard® PCR Preps DNA Purification Resin

In case of unconsciousness place patient stably in side position for transportation.
Seek medical treatment in case of complaints.

**After skin contact:**
Immediately wash with soap, water and rinse thoroughly.
If skin irritation continues, consult a doctor.

**After eye contact:** Call a doctor immediately.

**After swallowing:**
Drink plenty of water and provide fresh air. Call for a doctor immediately.
Seek immediate medical advice.

**Information for doctor:**

**Most important symptoms and effects, both acute and delayed**
None
No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

**5 Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture**
None known
No further relevant information available.

**Advice for firefighters**
In the case of fire, wear respiratory protective equipment and chemical protective suit.

**Protective equipment:**
Mount respiratory protective device.

**6 Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Remove persons from danger area.
Wear protective equipment. Keep unprotected persons away.
Keep people at a distance and stay on the windward side.
Wear protective clothing.

**Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to Section 13.
Ensure adequate ventilation.
Keep away from water.

**Reference to other sections**
See Section 7 for information on safe handling
See Section 13 for disposal information.
7 Handling and storage

Handling
Precautions for safe handling
- Keep receptacles tightly sealed.
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.

Information about fire - and explosion protection: The product is not flammable

Conditions for safe storage, including any incompatibilities

Storage
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Do not store together with acids.
Further information about storage conditions: Keep receptacle tightly sealed.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

Exposure controls
Personal protective equipment

General protective and hygienic measures
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.
- Do not eat or drink while working.
- Clean skin thoroughly immediately after handling the product.

Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Select the glove material considering penetration time, rate of diffusion and degradation time.
The selected protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it or AS/NZS 2161.

Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection:
Tightly sealed goggles.
49.4.23

Use equipment for eye protection tested and approved under government standard EN 166(EU) or AS/NZS 1336, 1137 and 1138.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:
Form: Fluid
Colour: Colourless
Odour: Not determined
Odour threshold: Not determined.

pH-value at 20 °C (68 °F): 7.5

Change in condition

Melting point/freezing point: undetermined
Initial boiling point and boiling range: undetermined
Flash point: Not applicable

Flammability (solid, gaseous): Not applicable.
Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:
Lower: Not determined.
Upper: Not determined.

Vapour pressure: Not determined.

Density at 20 °C (68 °F): 1.14 g/cm³ (9.5133 lbs/gal)
Relative density: Not determined.
Vapour density: Not determined.
Evaporation rate: Not determined.

Solubility in / Miscibility with
Water: Fully miscible
Partition coefficient: n-octanol/water: Not determined.

Viscosity:
dynamic: Not determined.
kinematic: Not determined.
Water: 35.2 %

Solids content: 65.1 %

Other information
No further relevant information available.

10 Stability and reactivity

Reactivity: No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions: No dangerous reactions known
Conditions to avoid: No further relevant information available.

Incompatible materials:
Exposure to strong acid will result in the generation of toxic gases

(Contd. on page 6)
Exposure to bleach may result in the generation of toxic gas

**Hazardous decomposition products:** No dangerous decomposition products known

### 11 Toxicological information

#### Information on toxicological effects

#### Acute toxicity

**LD/LC50 values relevant for classification:**

<table>
<thead>
<tr>
<th>593-84-0 guanidinium thiocyanate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>475 mg/kg (Rat)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>&gt;2,000 mg/kg (Rabbit)</td>
</tr>
</tbody>
</table>

*By analogy to guanidine hydrochloride*

*By analogy to Guanidine hydrochloride.*

**Primary irritant effect:**
- **Skin corrosion/irritation** Caustic effect on skin and mucous membranes.
- **Serious eye damage/irritation** Strong caustic effect.
- **Respiratory or skin sensitisation** Sensitization possible through inhalation.

**Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Harmful
Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

*US*

### 12 Ecological information

**Toxicity**
- **Aquatic toxicity:** Harmful to aquatic life with long lasting effects
- **Persistence and degradability:** Not available

No further relevant information available.

**Behaviour in environmental systems:**
- **Bioaccumulative potential** Not known

No further relevant information available.

**Mobility in soil** No further relevant information available.

**Ecotoxicological effects:**
- **Remark:** Harmful to fish

**Additional ecological information:**
- **General notes:** Must not reach sewage water or drainage ditch undiluted or unneutralised. Harmful to aquatic organisms

**Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.
### 13 Disposal considerations

**Waste treatment methods**

**Recommendation**
Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

**Uncleaned packaging:**
**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>UN1760</th>
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</thead>
<tbody>
<tr>
<td>ADR, IMDG, IATA</td>
<td>None</td>
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<tr>
<td>UN proper shipping name</td>
<td>1760 CORROSIVE LIQUID, N.O.S. solution</td>
</tr>
<tr>
<td>IMDG, IATA</td>
<td>CORROSIVE LIQUID, N.O.S. solution</td>
</tr>
</tbody>
</table>

**Transport hazard class(es)**
None

**ADR**

- **Class:** 8 (C9) Corrosive substances.
- **Label:** 8

**IMDG, IATA**

- **Class:** 8 Corrosive substances.
- **Label:** 8

**Packing group**
None

**ADR, IMDG, IATA**

- **II**

**Environmental hazards:**
No

**Special precautions for user**
Warning: Corrosive substances.

**Danger code (Kemler):**
80

**EMS Number:**
F-A,S-B

**Stowage Category**
B

**Stowage Code**
SW2 Clear of living quarters.

**Transport in bulk according to Annex II of Marpol and the IBC Code**
Not applicable.
Transport/Additional information:

<table>
<thead>
<tr>
<th>ADR</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited quantities (LQ)</td>
<td>1L</td>
<td></td>
</tr>
<tr>
<td>Excepted quantities (EQ)</td>
<td></td>
<td>Code: E2</td>
</tr>
<tr>
<td>Maximum net quantity per inner packaging:</td>
<td>30 ml</td>
<td></td>
</tr>
<tr>
<td>Maximum net quantity per outer packaging:</td>
<td>500 ml</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>IMDG</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Limited quantities (LQ)</td>
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<td>500 ml</td>
<td></td>
</tr>
</tbody>
</table>

UN "Model Regulation": UN 1760 CORROSIVE LIQUID, N.O.S. SOLUTION, 8, II

15 Regulatory information

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

GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).

Signal word Danger

Hazard-determining components of labelling:
guanidinium thiocyanate

Hazard statements
Harmful if swallowed or if inhaled.
Causes severe skin burns and eye damage.

Precautionary statements
Do not breathe dusts or mists.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU
Named dangerous substances - ANNEX I
None of the ingredients is listed. This product is for research and development use only.

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS:
Promega Corporation
Safety Department
2800 Woods Hollow Road
Madison, WI 53711
U.S.A.

Date of preparation / last revision 11/15/2019 / -

Abbreviations and acronyms:
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1

* Data compared to the previous version altered.
1 Identification

Product identifier
Trade name: Direct Purification Buffer

Article number: A724A
Application of the substance / the preparation: Laboratory chemicals

Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Promega Corporation
2800 Woods Hollow Road
Madison, WI 53711
U.S.A.
1-608-274-4330
1-800-356-9526

SDS author: Regulatory.Affairs@promega.com

Further information obtainable from:
Promega UK
Delta House
Southampton Science Park
Southampton SO16 7NS
United Kingdom
Tel: (44) 23 8076 0225
Fax: (44) 23 8076 7014
Freephone: 0800 378994
E-mail Address: ukcustserve@promega.com

Emergency telephone number:
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted). Within UK +(44)-870-8200418.

2 Hazard(s) identification

Classification of the substance or mixture
The product is not classified as hazardous according to the Globally Harmonised System (GHS).

Label elements
GHS label elements Not applicable
Hazard pictograms Not applicable
Signal word Not applicable
Hazard statements Not applicable
Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
3 Composition/information on ingredients

Chemical characterisation: Mixtures
Description:
The product is a mixture of the hazardous substances listed below along with unlisted nonhazardous substances.

Components:

| 9002-93-1 Polyethylene glycol tert-octylphenyl ether | 1-5% |

4 First-aid measures

Description of first aid measures
General information: No special measures required.
After inhalation: If the patient feels unwell or is concerned, obtain medical advice.
After skin contact: Generally the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: If the patient feels unwell or is concerned, obtain medical advice.
Information for doctor:
Most important symptoms and effects, both acute and delayed
None
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special hazards arising from the substance or mixture
None known
No further relevant information available.
Advice for firefighters
No special advice.
Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.
Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Reference to other sections
See Section 7 for information on safe handling
See Section 13 for disposal information.
7 Handling and storage

Handling
Precautions for safe handling: No special measures required.
Information about fire - and explosion protection: The product is not flammable.

Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The lists valid during the making were used as basis.

Exposure controls
Personal protective equipment
General protective and hygienic measures
The usual precautionary measures are to be adhered to when handling chemicals.
Respiratory protection: Not required.
Protection of hands: Not required.
Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Eye protection: Not required.

9 Physical and chemical properties

Information on basic physical and chemical properties
General Information
Appearance:
Form: Fluid
Colour: Colourless
Odour: Odourless
Odour threshold: Not determined.

Change in condition
Melting point/freezing point: undetermined
Initial boiling point and boiling range: 100 °C (212 °F)
Flash point: Not applicable

Flammability (solid, gaseous): Not applicable.
Decomposition temperature: Not determined.
Auto-ignition temperature: Product is not selfigniting.
Explosive properties: Product does not present an explosion hazard.
### 49.4.23

**Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.

**Vapour pressure:** Not determined.

**Density at 20 °C (68 °F):** 1.0034 g/cm³ (8.37337 lbs/gal)

**Relative density:** Not determined.

**Vapour density:** Not determined.

**Evaporation rate:** Not determined.

**Solubility in / Miscibility with Water:** Fully miscible

**Partition coefficient: n-octanol/water:** Not determined.

**Viscosity:**
- **Dynamic at 20 °C (68 °F):** 0.0952 mPas
- **Kinematic:** Not determined.

**Organic solvents:** 1.0 %

**Water:** 98.5 %

**Solids content:** 0.7 %

**Other information**
- No further relevant information available.

### 10 Stability and reactivity

**Reactivity**
- No further relevant information available.

**Chemical stability**

**Thermal decomposition / conditions to be avoided:**
- No decomposition if used according to specifications.

**Possibility of hazardous reactions**
- No dangerous reactions known

**Conditions to avoid**
- No further relevant information available.

**Incompatible materials**
- No further relevant information available.

**Hazardous decomposition products:**
- No dangerous decomposition products known

### 11 Toxicological information

**Information on toxicological effects**

**Acute toxicity**

**LD/LC50 values relevant for classification:** No data available

**Primary irritant effect:**

**Skin corrosion/irritation**
- No irritant effect.

**Serious eye damage/irritation**
- No irritating effect.

**Respiratory or skin sensitisation**
- No sensitising effects known.

**Additional toxicological information:**
- The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

### 12 Ecological information

**Toxicity**

**Aquatic toxicity:**
- Not available
- No further relevant information available.
**13 Disposal considerations**

**Waste treatment methods**

**Recommendation**
Disposal should be in accordance with applicable regional, national and local laws and regulations.
Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

**Uncleaned packaging:**
**Recommendation:** Disposal must be made according to official regulations.
**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**14 Transport information**

<table>
<thead>
<tr>
<th><strong>UN-Number</strong></th>
<th>Not hazardous for transportation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ADR, IMDG, IATA</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>ADR, ADN, IMDG, IATA</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Transport hazard class(es)</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>ADR, ADN, IMDG, IATA</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Class</strong></td>
<td>Not applicable</td>
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<tr>
<td><strong>Packing group</strong></td>
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</tr>
<tr>
<td><strong>ADR, IMDG, IATA</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Environmental hazards:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Special precautions for user</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Transport in bulk according to Annex II of Marpol and the IBC Code</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>UN &quot;Model Regulation&quot;:</strong></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

(Contd. on page 6)
15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
GHS label elements Not applicable
Signal word Not applicable
Hazard statements Not applicable

Directive 2012/18/EU
Named dangerous substances - ANNEX I
None of the ingredients is listed. This product is for research and development use only.

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Other regulations, limitations and prohibitive regulations
Substances of very high concern (SVHC) according to REACH, Article 57
9002-93-1 Polyethylene glycol tert-octylphenyl ether
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS:
Promega Corporation
Safety Department
2800 Woods Hollow Road
Madison, WI 53711
U.S.A.

Date of preparation / last revision 11/15/2019 / -

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

* Data compared to the previous version altered.