1. Identification of the substance/mixture and of the company/undertaking

Product identifier:
Blond Me Transparent Gel Bleach Powder

Relevant identified uses of the substance or mixture and uses advised against:
Intended use:
Change of Hair - Bleaching

Details of the supplier of the safety data sheet:
Henkel AG & Co. KGaA Düsseldorf Germany
Henkelstr. 67
D-40191 Düsseldorf
Phone: ++49 (0) 211-797 0

E-mail address of person responsible for Safety Data Sheet:
Henkel Cosmetics, e-mail : Mustafa.Akram@henkel.com

Emergency Telephone Number:
The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0) 211-797-3350 for exceptional cases.

The product is notified at the 'Information Centers for Cases of Poisoning in Germany'. These centers provide information by telephone day and night in poisoning cases. Central emergency phone number: ++49 (0) 30 19240

2. Hazards identification

Classification of the substance or mixture:

Classification according to Directive 1999/45/EC (DPD):
O - Oxidizing
R8 Contact with combustible material may cause fire.
Xn - Harmful
R22 Harmful if swallowed.
Sensitizing
R42/43 May cause sensitization by inhalation and skin contact.
Xi - Irritant
R36/37/38 Irritating to eyes, respiratory system and skin.
Label elements (DPD):

O - Oxidizing   Xn - Harmful

Risk phrases:
- R8 Contact with combustible material may cause fire.
- R22 Harmful if swallowed.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R42/43 May cause sensitization by inhalation and skin contact.

Safety phrases:
- S17 Keep away from combustible material.
- S22 Do not breathe dust.
- S24 Avoid contact with skin.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S37 Wear suitable gloves.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains:
- dipotassium peroxodisulphate,
- Diammonium peroxodisulphate,
- disodium peroxodisulphate

Other hazards:
- None if used properly.

### 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Hazardous substances according to DPD (EC) No 1999/45:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazardous substances</strong></td>
</tr>
<tr>
<td>--------------------------</td>
</tr>
</tbody>
</table>
| dipotassium peroxodisulphate | 7727-21-1 | 231-781-8 | >= 25 - < 50 % | R42/43  
O - Oxidizing;  R8  
Xn - Harmful;  R22  
Xi - Irritant;  R36/37/38 |
| Silicic acid, sodium salt > 2,6 <= 3,2, solution | 1344-09-8 | 215-687-4 | >= 20 - < 25 % | Xi - Irritant;  R36/37/38 |
| Diammonium peroxodisulphate | 7727-54-0 | 231-786-5 | >= 1 - < 10 % | Xn - Harmful;  R22  
R42/43  
O - Oxidizing;  R8  
Xi - Irritant;  R36/37/38 |
| sodium metasilicate | 6834-92-0 | 01-2119449811-37 | >= 0 - < 5 % | C - Corrosive;  R34  
Xi - Irritant;  R37 |
| disodium peroxodisulphate | 7775-27-1 | 231-892-1 | >= 1 - < 10 % | O - Oxidizing;  R8  
Xn - Harmful;  R22, R42/43  
Xi - Irritant;  R36/37/38 |
| Disodium dihydrogen ethylenediaminetetraacetate | 139-33-3 | 205-358-3 | >= 0 - < 10 % | Xn - Harmful;  R20 |

For full text of the R - Phrases indicated by codes only see Section 16 "Other information".
4. First aid measures

Description of first aid measures:

General information:
In case of adverse health effects seek medical advice.
Remove casualty immediately from danger zone. Take off immediately all contaminated clothing.

Inhalation:
Move to fresh air, consult doctor if complaint persists.

Skin contact:
Rinse under running water. Remove all contaminated clothing. Consult skin specialist if necessary.

Eye contact:
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:
Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

5. Firefighting measures

Extinguishing media:

Suitable extinguishing media:
All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:
None known

Special hazards arising from the substance or mixture:
The release of following substances is possible in case of fire:
Carbon dioxide
Generation of oxygen
Sulphur oxides
carbon monoxide

Advice for firefighters:
Wear self-contained breathing apparatus.
Wear protective equipment.

Additional information:
The product intensifies fire
Remove product from danger zone.
Extend fire extinguishing measures to the surroundings.
Dispose of combustion residues and contaminated fire-fighting water in accordance with statutory regulations.
Collect contaminated fire fighting water separately. It must not enter drains.
In case of fire, keep containers cool with water spray.

6. Accidental release measures

General information:
Keep away from sources of ignition - no smoking.
Avoid skin and eye contact. Do not inhale dust.

Personal precautions:
Wear protective equipment.
Depending on workplace dust concentration, wear dust filter mask with particle filter P1, P2 or P3.

Environmental precautions:
Do not empty into drains / surface water / ground water.
Methods and material for containment and cleaning up:
Remove mechanically.
Avoid dust formation.

7. Handling and storage

Precautions for safe handling:
Ensure good ventilation/suction at the workplace.
Avoid skin and eye contact. Keep dust formation and -deposit to a minimum., Avoid dust formation, vacuum.

Conditions for safe storage, including any incompatibilities:
Store in sealed original container protected against moisture.
Store far from foodstuffs.

Hygiene measures:
Do not eat, drink or smoke while working.
Immediately remove soiled or soaked clothing.
Wash hands before work breaks and after finishing work.
Keep away from food, beverages and animal feed.

Fire and explosion protection information:
Avoid the formation and build-up of dust - danger of dust explosion.
Keep away from combustible material.

8. Exposure controls/personal protection

Control parameters:
Valid for:
Germany
Contains no components with occupational exposure limit values.

Exposure controls:

Engineering controls:
Ensure good ventilation/suction at the workplace.

Respiratory protection:
Suitable breathing mask when there is inadequate ventilation.
Dust mask, P2 particle filter.

Hand protection:
Protective gloves from natural India rubber are to be worn when handling the product. The product is a dry powder, a penetration of the intact glove is not expected even during longer periods of wearing. It is possible though that when wearing the gloves for several hours uncomfortable sensations can occur caused by body heat and humidity.

Eye protection:
Protective goggles

Skin protection:
Suitable protective clothing
9. Physical and chemical properties

Information on basic physical and chemical properties:

The following data apply to the whole mixture.

Appearance: powder
Fine: white
Odor: citric, fruity, musky

\[ \text{pH} \quad (20 °C (68 °F); \text{Conc.: 10 Weight%}; \text{Solvent: Water}) \]
\[ 10,70 - 11,50 \]

Initial boiling point: Not applicable
Flash point: Not applicable
Decomposition temperature: Not applicable
Vapour pressure: Not applicable
Density: Not applicable
Bulk density: 660,00 - 740,00 g/l
Viscosity: Not applicable
Explosive properties: Not applicable
Solubility (qualitative): Partially soluble

Other information:
No data available.

10. Stability and reactivity

Reactivity:
Accelerators.
Contaminants (e.g. rust, dust, ash).
Combustible materials.
Reaction with heavy metals.
Reaction with strong acids.
Reaction with strong bases

Chemical stability:
Possibility of hazardous reactions:
See section reactivity

Conditions to avoid:
Keep away from sources of heat or ignition and protect from moisture.
Small amounts of moisture or impurities can noticeably reduce the SADT.

11. Toxicological information

Information on toxicological effects:
The present product is a chemical preparation within the meaning of the chemicals act. The following evaluation has been made on the basis of the toxicological data and content by weight of the individual ingredients.

Acute oral toxicity:
Harmful if swallowed.
Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Hazardous substances CAS-No.</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicic acid, sodium salt &gt; 2.6 &lt;= 3.2, solution 1344-09-8</td>
<td></td>
<td></td>
<td>dermal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diammonium peroxydisulphate 7727-54-0</td>
<td>LD50</td>
<td>&gt; 2,000 mg/kg</td>
<td>dermal</td>
<td>rat</td>
<td>EPA OPP 81-2 (Acute Dermal Toxicity)</td>
<td></td>
</tr>
</tbody>
</table>

Acute inhalative toxicity:

Irritating to respiratory system

Skin corrosion/irritation:

Primary skin irritation: irritating

Serious eye damage/irritation:

Primary eye irritation: irritating

Respiratory or skin sensitization:

May cause sensitization by inhalation.
May cause sensitization by skin contact.

Germ cell mutagenicity:

<table>
<thead>
<tr>
<th>Hazardous substances CAS-No.</th>
<th>Result</th>
<th>Type of study / Route of administration</th>
<th>Metabolic activation / Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diammonium peroxydisulphate 7727-54-0</td>
<td>negative</td>
<td>bacterial reverse mutation assay (e.g. Ames test)</td>
<td>with and without</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sodium metasilicate 6834-92-0</td>
<td>negative</td>
<td>bacterial reverse mutation assay (e.g. Ames test)</td>
<td>with and without</td>
<td></td>
<td>OECD Guideline 471 (Bacterial Reverse Mutation Assay)</td>
</tr>
<tr>
<td>disodium peroxydisulphate 7775-27-1</td>
<td>negative</td>
<td>bacterial reverse mutation assay (e.g. Ames test)</td>
<td>with and without</td>
<td></td>
<td></td>
</tr>
<tr>
<td>disodium peroxydisulphate 7775-27-1</td>
<td>negative</td>
<td>intraperitoneal</td>
<td></td>
<td>mouse</td>
<td></td>
</tr>
</tbody>
</table>

Repeated dose toxicity

<table>
<thead>
<tr>
<th>Hazardous substances CAS-No.</th>
<th>ResultValue</th>
<th>Route of application</th>
<th>Exposure time / Frequency of treatment</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diammonium peroxydisulphate 7727-54-0</td>
<td></td>
<td>oral: feed</td>
<td>28 days permanent</td>
<td>rat</td>
<td></td>
</tr>
<tr>
<td>sodium metasilicate 6834-92-0</td>
<td>792 mg/kg</td>
<td>oral: drinking water</td>
<td>2 years continuous</td>
<td>rat</td>
<td></td>
</tr>
</tbody>
</table>

12. Ecological information

The ecological evaluation of the product is based on data from the raw material and/or comparable substances.
### Toxicity (Fish):

<table>
<thead>
<tr>
<th>Hazardous substances</th>
<th>CAS-No.</th>
<th>Value type</th>
<th>Value</th>
<th>Acute Toxicity Study</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>dipotassium peroxodisulphate</td>
<td>7727-21-1</td>
<td>LC50</td>
<td>771 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Oncorhynchus mykiss</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test)</td>
</tr>
<tr>
<td>Diammonium peroxodisulphate</td>
<td>7727-54-0</td>
<td>LC50</td>
<td>76,3 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Oncorhynchus mykiss</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test)</td>
</tr>
<tr>
<td>sodium metasilicate</td>
<td>6834-92-0</td>
<td>LC50</td>
<td>210 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Brachydanio rerio (new name: Danio rerio)</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test)</td>
</tr>
<tr>
<td>disodium peroxodisulphate</td>
<td>7775-27-1</td>
<td>LC50</td>
<td>771 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Oncorhynchus mykiss</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test)</td>
</tr>
<tr>
<td>Disodium dihydrogen ethylenediaminetetraacetate</td>
<td>139-33-3</td>
<td>LC50</td>
<td>320 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Poecilia reticulata</td>
<td>EU Method C.1 (Acute Toxicity for Fish)</td>
</tr>
</tbody>
</table>

### Toxicity (Daphnia):

<table>
<thead>
<tr>
<th>Hazardous substances</th>
<th>CAS-No.</th>
<th>Value type</th>
<th>Value</th>
<th>Acute Toxicity Study</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>dipotassium peroxodisulphate</td>
<td>7727-21-1</td>
<td>EC50</td>
<td>133 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>Diammonium peroxodisulphate</td>
<td>7727-54-0</td>
<td>EC50</td>
<td>120 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>sodium metasilicate</td>
<td>6834-92-0</td>
<td>EC50</td>
<td>1.700 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>disodium peroxodisulphate</td>
<td>7775-27-1</td>
<td>EC50</td>
<td>133 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
</tbody>
</table>

### Toxicity (Algae):

<table>
<thead>
<tr>
<th>Hazardous substances</th>
<th>CAS-No.</th>
<th>Value type</th>
<th>Value</th>
<th>Acute Toxicity Study</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diammonium peroxodisulphate</td>
<td>7727-54-0</td>
<td>EC50</td>
<td>&gt; 33 mg/l</td>
<td>Algae</td>
<td>96 h</td>
<td>Scenedesmus quadricauda</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC10</td>
<td>33 mg/l</td>
<td>Algae</td>
<td>96 h</td>
<td>Scenedesmus quadricauda</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>sodium metasilicate</td>
<td>6834-92-0</td>
<td>EC50</td>
<td>213 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC0</td>
<td>36 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>disodium peroxodisulphate</td>
<td>7775-27-1</td>
<td>EC10</td>
<td>33 mg/l</td>
<td>Algae</td>
<td>96 h</td>
<td>Scenedesmus quadricauda</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC50</td>
<td>&gt; 33 mg/l</td>
<td>Algae</td>
<td>96 h</td>
<td>Scenedesmus quadricauda</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
</tbody>
</table>

### Persistence and degradability:

<table>
<thead>
<tr>
<th>Hazardous substances</th>
<th>CAS-No.</th>
<th>Result</th>
<th>Value</th>
<th>Route of application</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diammonium peroxodisulphate</td>
<td>7727-54-0</td>
<td>Yes</td>
<td>&gt; 33 mg/l</td>
<td></td>
<td>Scenedesmus quadricauda</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>sodium metasilicate</td>
<td>6834-92-0</td>
<td>No</td>
<td></td>
<td></td>
<td>Scenedesmus quadricauda</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>disodium peroxodisulphate</td>
<td>7775-27-1</td>
<td>No</td>
<td></td>
<td></td>
<td>Scenedesmus quadricauda</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>Hazardous substances</td>
<td>LogKow</td>
<td>Bioconcentration factor (BCF)</td>
<td>Exposure time</td>
<td>Species</td>
<td>Method</td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>--------</td>
<td>------------------------------</td>
<td>---------------</td>
<td>---------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>Disodium dihydrogen ethylenediaminetetraacetate 139-33-3</td>
<td>-11.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13. Disposal considerations

Waste treatment methods:
Product disposal:
  Consider national regulations.
  Special waste incineration or special disposal with the approval of the responsible local authority.
### 14. Transport information

#### 14.1. UN number

<table>
<thead>
<tr>
<th>Mode</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>3215</td>
</tr>
<tr>
<td>RID</td>
<td>3215</td>
</tr>
<tr>
<td>ADNR</td>
<td>3215</td>
</tr>
<tr>
<td>IMDG</td>
<td>3215</td>
</tr>
<tr>
<td>IATA</td>
<td>3215</td>
</tr>
</tbody>
</table>

#### 14.2. UN proper shipping name

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>PERSULPHATES, INORGANIC, N.O.S. (Potassium persulfate, Ammonium persulfate)</td>
</tr>
<tr>
<td>RID</td>
<td>PERSULPHATES, INORGANIC, N.O.S. (Potassium persulfate, Ammonium persulfate)</td>
</tr>
<tr>
<td>ADNR</td>
<td>PERSULPHATES, INORGANIC, N.O.S. (Potassium persulfate, Ammonium persulfate)</td>
</tr>
<tr>
<td>IMDG</td>
<td>PERSULPHATES, INORGANIC, N.O.S. (Potassium persulfate, Ammonium persulfate)</td>
</tr>
<tr>
<td>IATA</td>
<td>Persulphates, inorganic, n.o.s. (Potassium persulfate, Ammonium persulfate)</td>
</tr>
</tbody>
</table>

#### 14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>Mode</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>5.1</td>
</tr>
<tr>
<td>RID</td>
<td>5.1</td>
</tr>
<tr>
<td>ADNR</td>
<td>5.1</td>
</tr>
<tr>
<td>IMDG</td>
<td>5.1</td>
</tr>
<tr>
<td>IATA</td>
<td>5.1</td>
</tr>
</tbody>
</table>

#### 14.4. Packaging group

<table>
<thead>
<tr>
<th>Mode</th>
<th>Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>III</td>
</tr>
<tr>
<td>RID</td>
<td>III</td>
</tr>
<tr>
<td>ADNR</td>
<td>III</td>
</tr>
<tr>
<td>IMDG</td>
<td>III</td>
</tr>
<tr>
<td>IATA</td>
<td>III</td>
</tr>
</tbody>
</table>

#### 14.5. Environmental hazards

<table>
<thead>
<tr>
<th>Mode</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>not applicable</td>
</tr>
<tr>
<td>RID</td>
<td>not applicable</td>
</tr>
<tr>
<td>ADNR</td>
<td>not applicable</td>
</tr>
<tr>
<td>IMDG</td>
<td>not applicable</td>
</tr>
<tr>
<td>IATA</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

#### 14.6. Special precautions for user

<table>
<thead>
<tr>
<th>Mode</th>
<th>Precaution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>Tunnelcode: (E)</td>
</tr>
<tr>
<td>RID</td>
<td>not applicable</td>
</tr>
<tr>
<td>ADNR</td>
<td>not applicable</td>
</tr>
<tr>
<td>IMDG</td>
<td>IMDG-Code: Segregation group 2 - Ammonium compounds; Segregation group 18 - Alkalis</td>
</tr>
<tr>
<td>IATA</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable
15. Regulatory information

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

National regulations/information (Germany):

<table>
<thead>
<tr>
<th>WGK:</th>
<th>2, water-endangering product. (German VwVwS of May 17, 1999)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classification in conformity with the calculation method</td>
<td></td>
</tr>
<tr>
<td>Storage class according to TRGS 510:</td>
<td>5.1B</td>
</tr>
</tbody>
</table>

16. Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- R20 Harmful by inhalation.
- R22 Harmful if swallowed.
- R34 Causes burns.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R36/38 Irritating to eyes and skin.
- R37 Irritating to respiratory system.
- R42/43 May cause sensitization by inhalation and skin contact.
- R8 Contact with combustible material may cause fire.

Further information:

This information is not related to the use of the product, it is based on our current level of knowledge.