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

1.1 Product identifier
   Trade name          Surf City Garage Code Red Wheel Cleaner

1.1.6 Other means of identification
   Product number      SCG 110

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Relevant identified uses          vehicle wheel cleaner

1.3 Details of the supplier of the safety data sheet
   Surf City Garage
   5872 Engineer Dr.
   Hunting Beach, CA 92649
   Ph. 1-866-970-7872

1.4 Emergency telephone number
   Emergency information service
   USA 1.800.535.5053, INTL 1.352.323.3500
   24 hour emergency telephone number.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)
   
<table>
<thead>
<tr>
<th>Annex</th>
<th>Hazard class and category</th>
<th>Hazard statement code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.1O</td>
<td>acute toxicity (oral)</td>
<td>Cat. 4 (Acute Tox. 4)</td>
</tr>
<tr>
<td>A.4S</td>
<td>skin sensitization</td>
<td>Cat. 1A (Skin Sens. 1A)</td>
</tr>
</tbody>
</table>

   Remarks
   For full text of H-phrases: see SECTION 16.

   Hazards not otherwise classified
   Harmful to aquatic life (GHS category 3: aquatic toxicity - acute).

2.2 Label elements
   Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)
   
<table>
<thead>
<tr>
<th>Signal word</th>
<th>Pictograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>warning</td>
<td>GHS07</td>
</tr>
</tbody>
</table>
Hazard statements
H302    Harmful if swallowed.
H317    May cause an allergic skin reaction.

Precautionary statements

Precautionary statements - prevention
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - response
Specific treatment (see on this label).
Rinse mouth.
If skin irritation or rash occurs: get medical advice/attention.

Precautionary statements - disposal
Dispose of contents/container to industrial combustion plant.

Hazardous ingredients for labelling
sodium thioglycolate solution

2.3 Other hazards
There is no additional information.

SECTION 3: Composition/information on ingredients

3.1 Substances
not relevant (mixture)

3.2 Mixtures

Description of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>Identifier</th>
<th>Wt%</th>
<th>Hazard class and category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium thioglycolate solution</td>
<td>CAS No 367-51-1</td>
<td>10 - &lt; 25</td>
<td>A.1O Acute Tox. 3</td>
<td>H301 H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A.4S Skin Sens. 1A</td>
<td></td>
</tr>
<tr>
<td>diethylene glycol monobutyl ether</td>
<td>CAS No 112-34-5</td>
<td>1 - &lt; 5</td>
<td>A.3 Eye Irrit. 2A</td>
<td>H319</td>
</tr>
<tr>
<td>polyethylene glycol (5) undecyl ether</td>
<td>CAS No 34398-01-1</td>
<td>1 - &lt; 5</td>
<td>A.1O Acute Tox. 4</td>
<td>H302</td>
</tr>
</tbody>
</table>

For full text of abbreviations: see SECTION 16.
SECTION 4: First aid measures

4.1 Description of first aid measures

General notes
Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation
Provide fresh air.

Following skin contact
After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

Following eye contact
Irrigate copiously with clean, fresh water, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion
Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO2)

Unsuitable extinguishing media
water jet

5.2 Special hazards arising from the substance or mixture
Explosive when mixed with combustible material.

Hazardous combustion products
nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
   For non-emergency personnel
   Remove persons to safety.
   For emergency responders
   Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions
   Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up
   Advices on how to contain a spill
   Covering of drains.
   Advices on how to clean up a spill
   Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).
   Appropriate containment techniques
   Use of adsorbent materials.
   Other information relating to spills and releases
   Place in appropriate containers for disposal. Ventilate affected area.
   Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling
   Recommendations
   Measures to prevent fire as well as aerosol and dust generation
   Use local and general ventilation. Use only in well-ventilated areas.
   Advice on general occupational hygiene
   Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding-stuffs.
7.2 Conditions for safe storage, including any incompatibilities
   Managing of associated risks
   Incompatible substances or mixtures
   Observe compatible storage of chemicals.
   Control of the effects
   Protect against external exposure, such as frost

7.3 Specific end use(s)
   See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
   National limit values
   Occupational exposure limit values (Workplace Exposure Limits)
   Relevant DNELs/DMELs/PNECs and other threshold levels
   No data available.

8.2 Exposure controls
   Appropriate engineering controls
   General ventilation.
   Individual protection measures (personal protective equipment)
   Eye/face protection
   Wear eye/face protection.
   Skin protection
   • hand protection
   Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
   • other protection measures
   Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.
Respiratory protection
In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls
Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground wa-
ter.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
- Physical state: liquid
- Color: green
- Odor: characteristic - fruity

Other physical and chemical parameters
- pH (value): 6 - 8
- Melting point/freezing point: not determined
- Initial boiling point and boiling range: 100 °C
- Flash point: not determined (closed cup)
- Evaporation rate: not determined
- Flammability (solid, gas): not relevant (fluid)
- Explosive limits: not determined
- Vapor pressure: 31.69 hPa at 25 °C
- Density: not determined
- Relative density: Information on this property is not available.
- Solubility(ies): Information on this property is not available.
- Water solubility: miscible in any proportion
- Partition coefficient
- n-octanol/water (log KOW): This information is not available.
- Auto-ignition temperature: 210 °C
- Viscosity: not determined
- Explosive properties: none
- Oxidizing properties: none
SECTION 10: Stability and reactivity

10.1 Reactivity
Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability
See below "Conditions to avoid".

10.3 Possibility of hazardous reactions
No known hazardous reactions.

10.4 Conditions to avoid
There are no specific conditions known which have to be avoided.

Physical stresses which might result in a hazardous situation and have to be avoided

10.5 Incompatible materials
There is no additional information.

Hazardous decomposition products
Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Test data are not available for the complete mixture.

Classification procedure
The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity
Harmful if swallowed.

Acute toxicity estimate (ATE)
oral 1,156

Acute toxicity of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Exposure route</th>
<th>ATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium thiglycolate solution</td>
<td>367-51-1</td>
<td>oral</td>
<td>200</td>
</tr>
<tr>
<td>polyethylene glycol (5) undecyl ether</td>
<td>34398-01-1</td>
<td>oral</td>
<td>1,400</td>
</tr>
</tbody>
</table>
Skin corrosion/irritation
Shall not be classified as corrosive/irritant to skin.

Respiratory or skin sensitization
May cause an allergic skin reaction.

Summary of evaluation of the CMR properties
Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Carcinogenicity
• National Toxicology Program (United States): none of the ingredients are listed
• IARC Monographs none of the ingredients are listed

Specific target organ toxicity (STOT)
Shall not be classified as a specific target organ toxicant.

Aspiration hazard
Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

Aquatic toxicity (acute)
Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium thioglycolate solution</td>
<td>367-51-1</td>
<td>LC50</td>
<td>&gt;100 \text{mg/L}</td>
<td>fish</td>
<td>96 hours</td>
</tr>
<tr>
<td>sodium thioglycolate solution</td>
<td>367-51-1</td>
<td>EC50</td>
<td>38 \text{mg/L}</td>
<td>aquatic invertebrates</td>
<td>48 hours</td>
</tr>
<tr>
<td>diethylene glycol monobutyl ether</td>
<td>112-34-5</td>
<td>LC50</td>
<td>1,300 \text{mg/L}</td>
<td>fish</td>
<td>96 hours</td>
</tr>
<tr>
<td>diethylene glycol monobutyl ether</td>
<td>112-34-5</td>
<td>EC50</td>
<td>&gt;100 \text{mg/L}</td>
<td>aquatic invertebrates</td>
<td>48 hours</td>
</tr>
<tr>
<td>diethylene glycol monobutyl ether</td>
<td>112-34-5</td>
<td>ErC50</td>
<td>&gt;100 \text{mg/L}</td>
<td>algae</td>
<td>96 hours</td>
</tr>
<tr>
<td>polyethylene glycol (5) undecyl ether</td>
<td>34398-01-1</td>
<td>EC50</td>
<td>&gt;1 \text{mg/L}</td>
<td>fish</td>
<td>48 hours</td>
</tr>
</tbody>
</table>
12.2 Process of degradability

Data are not available.

Degradability of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Process</th>
<th>Degradation rate</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>diethylene glycol monobutyl ether</td>
<td>112-34-5</td>
<td>oxygen depletion</td>
<td>85 %</td>
<td>28 d</td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>BCF</th>
<th>Log KOW</th>
<th>BOD5/COD</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium thioglycolate solution</td>
<td>367-51-1</td>
<td>-2.99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>diethylene glycol monobutyl ether</td>
<td>112-34-5</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

13.3 Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.
SECTION 14: Transport information

14.1 UN number (not subject to transport regulations)
14.2 UN proper shipping name not relevant
14.3 Transport hazard class(es)
   Class -
14.4 Packing group not relevant
14.5 Environmental hazards none (non-environmentally hazardous acc. to the dangerous goods regulations)

14.6 Special precautions for user
   There is no additional information.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
   The cargo is not intended to be carried in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

   National regulations (United States)

   SARA TITLE III (Superfund Amendment and Reauthorization Act)
   List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302 and 304) none of the ingredients are listed
   Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313) none of the ingredients are listed

   Industry or sector specific available guidance(s)

   NPCA-HMIS® III
   Hazardous Materials Identification System (American Coatings Association)

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic</td>
<td>/</td>
<td>None.</td>
</tr>
<tr>
<td>Health</td>
<td>2</td>
<td>Temporary or minor injury may occur.</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
<td>Materials that must be preheated before ignition can occur.</td>
</tr>
<tr>
<td>Physical hazard</td>
<td>0</td>
<td>Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives.</td>
</tr>
<tr>
<td>Personal protective equipment</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>
**Surf City Garage Code Red Wheel Cleaner**

**NFPA® 704**

<table>
<thead>
<tr>
<th>Category</th>
<th>Degree of hazard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>1</td>
<td>Materials that must be preheated before ignition can occur.</td>
</tr>
<tr>
<td>Health</td>
<td>2</td>
<td>Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
<td>Materials that are normally stable, even under fire conditions.</td>
</tr>
</tbody>
</table>

**Right to Know Hazardous Substance List**
none of the ingredients are listed

**Proposition 65 List of chemicals**
none of the ingredients are listed

**Relevant European Union (EU) safety, health and environmental provisions**

**Classification according to GHS (1272/2008/EC, CLP)**

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Category</th>
<th>Hazard class and category</th>
</tr>
</thead>
<tbody>
<tr>
<td>acute toxicity (oral)</td>
<td>4</td>
<td>(Acute Tox. 4)</td>
</tr>
<tr>
<td>skin sensitization</td>
<td>1A</td>
<td>(Skin Sens. 1A)</td>
</tr>
</tbody>
</table>

**SECTION 16: Other information**

16.2 **Abbreviations and acronyms**

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Descriptions of used abbreviations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox.</td>
<td>acute toxicity</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>BCF</td>
<td>BioConcentration Factor</td>
</tr>
<tr>
<td>BOD</td>
<td>Biochemical Oxygen Demand</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)</td>
</tr>
<tr>
<td>CLP</td>
<td>Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures</td>
</tr>
<tr>
<td>CMR</td>
<td>Carcinogenic, Mutagenic or toxic for Reproduction</td>
</tr>
<tr>
<td>COD</td>
<td>chemical oxygen demand</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimal Effect Level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No-Effect Level</td>
</tr>
<tr>
<td>Eye Dam.</td>
<td>seriously damaging to the eye</td>
</tr>
<tr>
<td>Eye Irrit.</td>
<td>irritant to the eye</td>
</tr>
<tr>
<td>GHS</td>
<td>&quot;Globally Harmonized System of Classification and Labelling of Chemicals&quot; developed by the United Nations</td>
</tr>
</tbody>
</table>
### Key literature references and sources for data


### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

<table>
<thead>
<tr>
<th>Code</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>H301</td>
<td>toxic if swallowed</td>
</tr>
<tr>
<td>H302</td>
<td>harmful if swallowed</td>
</tr>
<tr>
<td>H317</td>
<td>may cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>causes serious eye irritation</td>
</tr>
</tbody>
</table>

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.