SAFETY DATA SHEET
S.O.S® Steel Wool Soap Pads - Regular


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

1.1. Product identifier

Product name
S.O.S® Steel Wool Soap Pads - Regular

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Cleaning and scouring.

Uses advised against
No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier
Cbee (Europe) Ltd.
Eton House, 2nd Floor, 18 - 24 Paradise Road, Richmond, TW9 1SE, UK
+44 (0) 208 614 7120
+44 (0) 208 940 2040
consumerservices@clorox.co.uk

1.4. Emergency telephone number

Emergency telephone
+44 (0) 208 614 7120
Monday - Thursday:- 09:00 - 17:30
Friday:- 09:00 - 17:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
Not Classified

Health hazards
Eye Irrit. 2 - H319

Environmental hazards
Not Classified

Classification (67/548/EEC or 1999/45/EC)
Xi; R36

2.2. Label elements

Pictogram

Signal word
Warning

Hazard statements
S.O.S® Steel Wool Soap Pads - Regular

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.
P264 Wash contaminated skin thoroughly after handling.
P270 Wear protective gloves.
P305+P351+P338 If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

Detergent labelling

≥ 30% soap, < 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains D-LIMONENE, DILAURYL THIODIPROPIONATE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/Information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS number</th>
<th>EC number</th>
<th>M factor (Acute)</th>
<th>Classification</th>
<th>Classification (67/548/EEC or 1999/45/EC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>200-289-5</td>
<td></td>
<td>Not Classified</td>
<td>---</td>
</tr>
<tr>
<td>sodium nitrite</td>
<td>7632-00-0</td>
<td>231-555-9</td>
<td>1</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
<td>O; R8. T; R25. N; R50</td>
</tr>
<tr>
<td>Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts</td>
<td>68081-81-2</td>
<td>268-356-1</td>
<td></td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
<td>Xn; R22. Xi; R41, R38</td>
</tr>
</tbody>
</table>
S.O.S® Steel Wool Soap Pads - Regular

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS number</th>
<th>EC number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>236-675-5</td>
<td>0.025 - &lt;0.25%</td>
</tr>
<tr>
<td>29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper</td>
<td>147-14-8</td>
<td>205-685-1</td>
<td>0.025 - &lt;0.25%</td>
</tr>
</tbody>
</table>

Substance with National workplace exposure limits.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification (67/548/EEC or 1999/45/EC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Classified</td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Not relevant.

Ingestion
Rinse mouth thoroughly with water. Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Skin contact
Wash skin thoroughly with soap and water.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation
Not relevant.

Ingestion
May cause discomfort if swallowed.

Skin contact
Prolonged skin contact may cause redness and irritation.

Eye contact
Irritation of eyes and mucous membranes. Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
S.O.S® Steel Wool Soap Pads - Regular

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Special protective equipment for firefighters
Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Avoid contact with eyes and prolonged skin contact. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions
Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Reference to other sections
See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Read and follow manufacturer's recommendations.

Advice on general occupational hygiene
Avoid contact with eyes and prolonged skin contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store in a cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits
S.O.S® Steel Wool Soap Pads - Regular

Glycerol
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

sodium hydroxide
Short-term exposure limit (15-minute): WEL 2 mg/m³

titanium dioxide
Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

29H,31H-phthalocyaninato(2-)-N₂⁹,N₃₀,N₃¹,N₃² copper
Long-term exposure limit (8-hour TWA): WEL 1 mg/m³ dust and mists
Short-term exposure limit (15-minute): WEL 2 mg/m³ dust and mists as Cu

WEL = Workplace Exposure Limit

8.2. Exposure controls

Eye/face protection
Wear chemical splash goggles.

Hand protection
No specific hand protection recommended.

Hygiene measures
No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Steel wool pad

Colour
Blue.

Odour
soap

Odour threshold
Not determined.

pH
Not determined.

Melting point
Not relevant.

Initial boiling point and range
Not determined.

Flash point
Not determined.

Evaporation rate
Not determined.

Evaporation factor
Not determined.

Flammability (solid, gas)
Not relevant.

Upper/lower flammability or explosive limits
Not relevant.
S.O.S® Steel Wool Soap Pads - Regular

Vapour pressure
Not determined.

Vapour density
Not relevant.

Relative density
Not determined.

Bulk density
Not determined.

Partition coefficient
Not determined.

Auto-ignition temperature
Not relevant.

Decomposition Temperature
Not relevant.

Viscosity
Not determined.

Explosive properties
Not considered to be explosive.

Oxidising properties
The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information
Other information
No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability
Stability
Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Will not polymerise.

10.4. Conditions to avoid
Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials
Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products
None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity - oral
Based on available data the classification criteria are not met.

ATE oral (mg/kg)
8,860.01181335
S.O.S® Steel Wool Soap Pads - Regular

**Acute toxicity - dermal**
Based on available data the classification criteria are not met.

**Acute toxicity - inhalation**
Based on available data the classification criteria are not met.

**Skin corrosion/irritation**
Animal data
Based on available data the classification criteria are not met.

**Serious eye damage/irritation**
Eye Irrit. 2 - H319 May cause severe eye irritation.

**Respiratory sensitisation**
Based on available data the classification criteria are not met.

**Skin sensitisation**
Based on available data the classification criteria are not met.

**Germ cell mutagenicity**
Genotoxicity - in vitro
Based on available data the classification criteria are not met.

Genotoxicity - in vivo
Based on available data the classification criteria are not met.

**Carcinogenicity**
Based on available data the classification criteria are not met.

**Reproductive toxicity**

Reproductive toxicity - fertility
Based on available data the classification criteria are not met.

Reproductive toxicity - development
Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

STOT - single exposure
Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure
Based on available data the classification criteria are not met.

**Aspiration hazard**
Not anticipated to present an aspiration hazard, based on chemical structure.

  Toxicological information on ingredients.
S.O.S® Steel Wool Soap Pads - Regular

**Glycerol**

**Acute toxicity - oral**

*Acute toxicity oral (LD50 mg/kg)*  
23,000.0  

**Species**  
Mouse  

REACH dossier information.  

**ATE oral (mg/kg)**  
23,000.0  

**Acute toxicity - dermal**

*Acute toxicity dermal (LD50 mg/kg)*  
56750.0  

**Species**  
Guinea pig  

REACH dossier information.  

**ATE dermal (mg/kg)**  
56750.0  

**Skin corrosion/irritation**

**Animal data**  
Dose: 0.5 ml, 24 hours, Rabbit Primary dermal irritation index: ≤ 2 REACH dossier information. Not irritating.  

**Serious eye damage/irritation**  
Dose: 0.1 ml, 7 days, Rabbit REACH dossier information. Not irritating.  

**Germ cell mutagenicity**

**Genotoxicity - in vitro**  
DNA damage and/or repair: Negative. REACH dossier information.  

**Reproductive toxicity**

**Reproductive toxicity - fertility**  
Two-generation study - Dose level: 2000 mg/kg/day, Oral, Rat P, F1 REACH dossier information. No evidence of reproductive toxicity in animal studies.  

**Reproductive toxicity - development**  
Developmental toxicity: - NOAEL: 1310 mg/kg/day, Oral, Rat REACH dossier information. No evidence of reproductive toxicity in animal studies.  

**sodium nitrite**

**Acute toxicity - oral**

*Acute toxicity oral (LD50 mg/kg)*  
180.0  

**Species**  
Rat  

**ATE oral (mg/kg)**  
180.0  

**Carcinogenicity**

**IARC carcinogenicity**  
IARC Group 2A  Probably carcinogenic to humans.
S.O.S® Steel Wool Soap Pads - Regular

Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts

**Acute toxicity - oral**
ATE oral (mg/kg)
500.0

**Sodium hydroxide**

**Skin corrosion/irritation**
**Animal data**
Skin Corr. 1A - H314

**Serious eye damage/irritation**
Dose: 0.1 ml (2%), 1 second, Rabbit REACH dossier information.

**Skin sensitisation**
Patch test - Human: Not sensitising. REACH dossier information.

**Aspiration hazard**
Not anticipated to present an aspiration hazard, based on chemical structure.

**Titanium dioxide**

**Acute toxicity - oral**
Acute toxicity oral (LD50 mg/kg)
5,000.0

**Species**
Rat
REACH dossier information.

ATE oral (mg/kg)
5,000.0

**Skin corrosion/irritation**
**Animal data**
Dose: 0.5 g, 4 hours, Rabbit REACH dossier information. Not irritating.

**Serious eye damage/irritation**
Dose: 57 mg, 1 second, Rabbit REACH dossier information. Not irritating.

**Skin sensitisation**
Local Lymph Node Assay (LLNA) - Mouse: Not sensitising. REACH dossier information.

**Germ cell mutagenicity**
**Genotoxicity - in vitro**
Chromosome aberration: Negative. REACH dossier information.

**Genotoxicity - in vivo**
Chromosome aberration: Negative. REACH dossier information.

**Carcinogenicity**
NOEC 50 mg/m³, Inhalation, Rat REACH dossier information.

**IARC carcinogenicity**
IARC Group 2B Possibly carcinogenic to humans.
S.O.S® Steel Wool Soap Pads - Regular

29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper

**Acute toxicity - dermal**
LD₅₀ > 5000 mg/kg, Rat REACH dossier information.

**Skin corrosion/irritation**
Animal data
Dose: ~ 1 ml, 20 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information. Not irritating.

**Serious eye damage/irritation**
REACH dossier information. Dose: ~ 50 mg, 24 hours, Rabbit Not irritating.

**Skin sensitisation**
Local Lymph Node Assay (LLNA) - Mouse: Not sensitising. REACH dossier information.

**Germ cell mutagenicity**
Genotoxicity - in vitro
Chromosome aberration: Negative. REACH dossier information.

Genotoxicity - in vivo
Chromosome aberration: Negative. REACH dossier information.

**Reproductive toxicity**
Reproductive toxicity - fertility
Screening - NOAEL 1000 mg/kg/day, Oral, Rat, P, F1 REACH dossier information.

Reproductive toxicity - development
Developmental toxicity: - NOAEL: 1000 mg/kg/day, Oral, Rat REACH dossier information.

**SECTION 12: Ecological Information**

**12.1. Toxicity**
Not considered toxic to fish.
S.O.S® Steel Wool Soap Pads - Regular

Ecological information on ingredients.

Glycerol

Acute toxicity - fish
LC₅₀, 96 hours: 54000 mg/l, Onchorhynchus mykiss (Rainbow trout) REACH dossier information.

sodium nitrite

Acute aquatic toxicity
LE(C)₅₀
0.1 < L(E)C50 ≤ 1
M factor (Acute)
1

sodium hydroxide

Acute toxicity - fish
LC₃₀, 48 hours: 189 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 40.4 mg/l, Ceriodaphnia REACH dossier information.

29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper

Acute toxicity - fish
LC₅₀, 96 hours: > 100 mg/l, Brachydanio rerio (Zebra Fish) REACH dossier information.

Acute toxicity - aquatic invertebrates
EC₅₀, 24 hours: 500 mg/l, Daphnia magna EC₅₀, 48 hours: > 500 mg/l, Daphnia magna REACH dossier information.

Acute toxicity - aquatic plants
EC₅₀, 72 hours: > 100 mg/l, Desmodesmus subspicatus REACH dossier information.

Acute toxicity - microorganisms
EC₅₀, 30 minutes: > 10000 mg/l, Pseudomonas putida REACH dossier information.

Chronic toxicity - aquatic invertebrates
NOEC, 21 days: ≥ 1 mg/l, Daphnia magna REACH dossier information.

12.2. Persistence and degradability

Persistence and degradability
The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

Ecological information on ingredients.

Glycerol

Biodegradation
Water - Degradation (60%): 2 hours Water - Degradation (86%): 4 hours Water - Degradation (94%): 24 hours REACH dossier information. The substance is readily biodegradable.

29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper

Phototransformation
Air - DT₅₀: 4.5 hours REACH dossier information.

Biodegradation
Water - Degradation (5%): 28 days REACH dossier information. No biodegradation observed under test conditions.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient
Not determined.
S.O.S® Steel Wool Soap Pads - Regular

Ecological information on ingredients.

Glycerol

Partition coefficient
log Pow: -1.75 REACH dossier information.

sodium hydroxide

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility
The product is soluble in water.

Ecological information on ingredients.

Glycerol

Henry's law constant
0.000000006 atm m3/mol @ 25°C REACH dossier information. Calculation method.

Surface tension
~ 63.4 mN/m @ 20°C REACH dossier information.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not relevant.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.
SECTION 15: Regulatory information

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

National regulations
EH40/2005 Workplace exposure limits.

EU legislation

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008
Eye Irrit. 2 - H319: Calculation method.

Revision comments
Classification according to CLP Annex I.

Revision date 03/07/2014
Revision 6
Supersedes date 01/01/2012
SDS number 247

Risk phrases in full
R8 Contact with combustible material may cause fire.
R22 Harmful if swallowed.
R25 Toxic if swallowed.
R35 Causes severe burns.
R36 Irritating to eyes.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.

Hazard statements in full
H272 May intensify fire; oxidiser.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

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