SAFETY DATA SHEET

S.O.S® Steel Wool Soap Pads - Regular

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.

P264 Wash contaminated skin thoroughly after handling.

P280 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

Glycerol **2.5 - <5%**

CAS number: 56-81-5 **EC number:** 200-289-5

Substance with National workplace exposure limits.

Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	---

sodium nitrite **1 - <2.5%**

CAS number: 7632-00-0 **EC number:** 231-555-9

M factor (Acute) = 1

Classification	Classification (67/548/EEC or 1999/45/EC)
Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Aquatic Acute 1 - H400	O; R8. T; R25. N; R50

Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts **1 - <2.5%**

CAS number: 68081-81-2 **EC number:** 268-356-1

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Xn; R22. Xi; R41, R38

sodium hydroxide **0.25 - <0.5%**

CAS number: 1310-73-2 **EC number:** 215-185-5

Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Corr. 1A - H314 Eye Dam. 1 - H318	C; R35

titanium dioxide	**0.025 - <0.25%**
CAS number: 13463-67-7 **EC number:** 236-675-5	
Substance with National workplace exposure limits.	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Not Classified	---

29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	**0.025 - <0.25%**
CAS number: 147-14-8 **EC number:** 205-685-1	
Substance with National workplace exposure limits.	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Not Classified	---

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

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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.

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.

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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.

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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.

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

Acute toxicity - dermal

LD_{50} > 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.

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Ecological information on ingredients.

Glycerol

Acute toxicity - fish

LC_{50}, 96 hours: 54000 mg/l, Onchorhynchus mykiss (Rainbow trout) REACH dossier information.

sodium nitrite

Acute aquatic toxicity

$LE(C)_{50}$

$0.1 < L(E)C50 \leq 1$

M factor (Acute)

1

sodium hydroxide

Acute toxicity - fish

LC_{50}, 48 hours: 189 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates

EC_{50}, 48 hours: 40.4 mg/l, Ceriodaphnia REACH dossier information.

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

Acute toxicity - fish

LC_{50}, 96 hours: > 100 mg/l, Brachydanio rerio (Zebra Fish) REACH dossier information.

Acute toxicity - aquatic invertebrates

EC_0, 24 hours: 500 mg/l, Daphnia magna EC_{50}, 48 hours: > 500 mg/l, Daphnia magna REACH dossier information.

Acute toxicity - aquatic plants

EC_{50}, 72 hours: > 100 mg/l, Desmodesmus subspicatus REACH dossier information.

Acute toxicity - microorganisms

EC_{50}, 30 minutes: > 10000 mg/l, Pseudomonas putida REACH dossier information.

Chronic toxicity - aquatic invertebrates

NOEC, 21 days: $\geq$ 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 - DT_{50} : 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.

S.O.S® Steel Wool Soap Pads - Regular

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

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended)
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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.