



# Safety Data Sheet

Page 1 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

## Section 1: Identification of the substance/mixture

Code	N/A
Product Name	Bottle Blonde Powder Lightener
Recommended Use	Bleaching powder for hair (cosmetic use)
Company Details	Evo Labs Pty Ltd
Address	17-21 Commercial St Marleston, South Australia, Australia 5000
Telephone Number	+61 8 8403 8263
Email	<a href="mailto:compliance@evohair.com">compliance@evohair.com</a>
<b>Emergency Telephone Number</b>	Australia Poison Information centre: Phone 13-11-26 New Zealand: National Poison Information centre. Phone 0800-764-766 Ospedale Niguarda Ca' Granda - Milano - 02/66101029 Azienda Ospedaliera S.G.Battista - Molinette - Torino - 011/6637637 Clinica Del Lavoro E Della Riabilitazione- Pavia - 0382/24444 Università Degli Studi Di Padova - Padova - 049/8275078 04 Istituto Scientifico G. Gaslini - Genova - 010/5636245 Azienda Ospedaliera Careggi - Firenze - 055/4277238 Policlinico A.Gemelli - Univ. Cattolica Del Sacro Cuore - Roma - 06/3054343 Centro Antiveleni - Università La Sapienza - Roma - 06/49970698 Centro Antiveleni Azienda Ospedaliera A. Cardarelli - Napoli - 081/7472870 Global Links to Poison Centres and Clinical Toxicologists all over the World: <a href="http://www.eapcct.org/index.php?page=links">http://www.eapcct.org/index.php?page=links</a>



# Safety Data Sheet

Page 2 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

## Section 2: Hazards Identification

### Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

### Hazchem Classification and indication

Oxidising solid, category 3	H272	May intensify fire; oxidiser
Acute toxicity, category 4	H302	Harmful if swallowed
Skin corrosion, category 1B	H314	Causes severe skin burns and eye damage
Serious eye damage, category 1	H318	Causes serious eye damage
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation
Respiratory sensitization, category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
Skin sensitization, category 1	H317	May cause an allergic skin reaction

### Label Elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements

### Hazard Pictograms



### Signal Words

Danger

### Hazard Statements

H272 May intensify fire; oxidiser.



# Safety Data Sheet

Page 3 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

## Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep away from clothing and other combustible materials.
P260	Do not breathe dust / fume / gas / mist / vapours / spray.
P264	Wash . . . thoroughly after handling.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER / doctor / . . .

## Contains

DISODIUM METASILICATE  
SODIUM SILICATE  
DIPOTASSIUM PEROXODISULPHATE  
AMMONIUM PEROXYDISULPHATE  
SODIUM PERSULFATE

## Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

## Section 3: Composition/information on ingredients

### Substances



# Safety Data Sheet

Page 4 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

Information not relevant

## Mixtures

Contains:

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Identification	x = Conc. %	Classification 1272/2008 (CLP)
<b>DIPOASSIUM PEROXODISULPHATE</b> CAS 7727-21-1 EC 231-781-8 INDEX 016-061-00-1 Reg. no. 01-2119495676-19-0000	25 ≤ x < 50	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
<b>SODIUM SILICATE</b> CAS 1344-09-8 EC 215-687-4 INDEX – Reg. no. 01-2119448725-31-0011	10 ≤ x < 25	Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335
<b>AMMONIUM PEROXYDISULPHATE</b> CAS 7727-54-0 EC 231-786-5 INDEX 016-060-00-6 Reg. no. 01-2119495973-19-0000	10 ≤ x < 25	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
<b>SODIUM PERSULFATE</b> CAS 7775-27-1 EC 231-892-1 INDEX - Reg. no. 01-2119495975-15-0000	5 ≤ x < 10	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317
<b>DISODIUM METASILICATE</b> CAS 6834-92-0 EC 229-912-9 INDEX 014-010-00-8 Reg. no. 01-2119449811-37-xxxx	5 ≤ x < 10	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335

## Section 4: First Aid Measure



# Safety Data Sheet

Page 5 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

Description of first aid measure

**Swallowed:** Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

**Eyes:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

**Skin:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

**Inhaled:** Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

Seek medical advice or phone National Poison Information Centre Australia: Phone 13-11-26 (or) New Zealand: Phone 0800-764766  
Global: <http://www.eapcct.org/index.php?page=links>

Notes for medical personal      Treat on the basis of symptoms.

Acute      Specific information on symptoms and effects caused by the product are unknown.

## Section 5: Fire-Fighting measures

Fire hazard properties      Hazards caused by exposure in the event of fire:  
If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

Extinguishing media & methods      Extinguishing substances are carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.  
**UNSUITABLE EXTINGUISHING EQUIPMENT**  
Do not use jets of water.



Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire if it is safe to do so.

Protection Equipment for Firefighters

Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures**

If there are no contraindications, spray powder with water to prevent the formation of dust.  
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

**Environmental precautions**

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

**Methods and material for containment and cleaning up**

Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.  
Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

**Reference to other sections**

Any information on personal protection and disposal is given in sections 8 and 13.



## Section 7: Handling and Storage

### Subsection 1

#### Safe Handling Practices

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink, or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

### Subsection 2

#### Safe Store site requirements

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in cool (below 30 °C) and dry areas. Avoid contamination and avoid the presence of reducing agents like lotions and permanent waves. Discard any unused mixture with developer or bleaching lotions, since the container may break. AVOID humid organic material as paper towel, wood, clothes, etc. which could induce spontaneous combustion. Protect from heat and sunlight; store in places far from rain and humidity; never store outdoors. Store separately from other dangerous and incompatible substances.

## Section 8: Exposure Control/Personal Protection

### Control parameters

#### Regulatory References:

ESP España  
TLV-ACGIH

LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS  
EN ESPAÑA 2015  
ACGIH 2016

DIPOTASSIUM PEROXODISULPHATE		
Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,0763	mg/l
Normal value in marine water	0,011	mg/l
Normal value for fresh water sediment	0,275	mg/kg
Normal value for marine water sediment	0,0396	mg/kg
Normal value for water, intermittent release	0,763	mg/l
Normal value of STP microorganisms	3,6	mg/l
Normal value for the terrestrial compartment	0,015	mg/kg



# Safety Data Sheet

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

Health - Derived no-effect level - DNEL / DMEL								
Effects on consumers					Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,248 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18.2 mg/kg bw/d

AMMONIUM PEROXYDISULPHATE					
Threshold Limit Value					
Type	Country	TWA/8h mg/m3	ppm	STEL/15min	ppm
VLA	ESP	0,1			
TLV-ACGIH		0,1			
Predicted no-effect concentration - PNEC					
Normal value in fresh water				0,0763	mg/l
Normal value in marine water				0,011	mg/l
Normal value for fresh water sediment				0,275	mg/kg
Normal value for marine water sediment				0,0396	mg/kg
Normal value for water, intermittent release				0,763	mg/l
Normal value of STP microorganisms				3,6	mg/l
Normal value for the terrestrial compartment				0,015	mg/kg

Health - Derived no-effect level - DNEL / DMEL								
Effects on consumers					Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,848 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18,2 mg/kg bw/d

SODIUM SILICATE								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				7,5	mg/l			
Normal value for marine water sediment				1	mg/l			
Normal value for water, intermittent release				7,5	mg/l			
Normal value of STP microorganisms				348	mg/l			
Health - Derived no-effect level - DNEL / DMEL								
Effects on consumers			Effects on workers					
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	0,80 mg/kg bw/d				
Inhalation			VND	1,38 mg/m3			VND	5,61 mg/m3
Skin			VND	0,8 mg/kg bw/d			VND	1,59 mg/kg bw/d





# Safety Data Sheet

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

<b>DISODIUM METASILICATE</b>								
<b>Health - Derived no-effect level - DNEL / DMEL</b>								
Effects on consumers					Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,74 mg/kg bw/d				
Inhalation				1,55 mg/m3		6,22		6,22 mg/m3
Skin				0,74 mg/kg bw/d				1,49 mg/kg bw/d

<b>SODIUM PERSULFATE</b>								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min				
		mg/m3	ppm		ppm			
VLA	ESP	0,1						
TLV-ACGIH		0,1						
Predicted no-effect concentration - PNEC								
Normal value in fresh water				0,0763	mg/l			
Normal value in marine water				11	mg/l			
Normal value for fresh water sediment				0,275	mg/kg			
Normal value for marine water sediment				0,396	mg/kg			
Normal value for water, intermittent release				0,763	mg/l			
Normal value of STP microorganisms				3,6	mg/l			
Normal value for the terrestrial compartment				0,015	mg/kg			
<b>Health - Derived no-effect level - DNEL / DMEL</b>								
Effects on consumers			Effects on workers					
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		30 mg/kg bw/d		9,1 mg/kg bw/d				
Inhalation	295 mg/m3	295 mg/m3	1,03 mg/m3	1,03 mg/m3		590 mg/m3	2,06 mg/m3	2,06 mg/m3
Skin	1,124 mg/cm2	200 mg/kg bw/d	0,051 mg/cm2	9,1 mg/kg bw/d	2,848 mg/cm2	400 mg/kg bw/d	0,102 mg/cm2	18,2 mg/kg bw/d

**Legend:**

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified.

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for inert particulate not otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment.



## Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

### HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

### RESPIRATORY PROTECTION

Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## Section 9: Physical and Chemical Properties

Appearance	Powder
Colour	Grey
Odour	Characteristic



# Safety Data Sheet

Page 11 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

Odour threshold	Not available
pH	9,8 – 10,8
Melting Point / Freezing point	Not available
Initial Boiling point	Not available
Boiling point	Not available
Flash Point (°C)	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility in Water	Not available
Partition coefficient: n-ctanol/water	Not available
Auto-ignition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

## Section 10: Stability and Reactivity

### Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

#### DISODIUM METASILICATE

The aqueous solutions act as: strong bases.

#### SODIUM PERSULFATE

Decomposes at temperatures above 145°C/293°F.

With water it reduces to bisulphate with the development of oxygen.

### Chemical stability

The product is stable in normal conditions of use and storage.



# Safety Data Sheet

Page 12 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

**Possibility of hazardous reactions** The powders are potentially explosive when mixed with air.

DISODIUM METASILICATE

May react dangerously with fluorine, lithium.

SODIUM PERSULFATE

Reacts violently with combustible substances, reducing substances. Fire hazard. Possibility of explosion.

**Conditions to avoid** Avoid environmental dust build-up.

**Incompatible materials**

DISODIUM METASILICATE

The aqueous solution is incompatible with acids, organic anhydrides, acrylates, alcohols, aldehydes, alkyl oxides, cresols, caprolactam, epichlorohydrin, ethylene dichloride, glycols, isocyanates, ketones, nitrates, phenols, vinyl acetate.

**Hazardous**

**decomposition products**

SODIUM PERSULFATE

May develop: sulphur oxides, oxygen.

## Section 11: Toxicological Information

**Information on toxicological effects**

Metabolism, toxicokinetic, mechanism of action and other information Information not available

Information on likely routes of exposure Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure Information not available

Interactive effects Information not available

**ACUTE TOXICITY**

LC50 (Inhalation - vapours) of the mixture:  
Not classified (no significant component)

LD50 (Inhalation – mists / powders) of the mixture:



# Safety Data Sheet

Page 13 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

Not classified (no significant component)

LD50 (Oral) of the mixture:  
949 mg/kg

LD50 (Dermal) of the mixture:  
Not classified (no significant component)

## SODIUM PERSULFATE

LD50 (Oral) 895 mg/kg Rat  
LD50 (Dermal) > 10000 mg/kg Coniglio  
LC50 (Inhalation) 5,1 mg/l/4h Rat

## SODIUM SILICATE

LD50 (Oral) 3400 mg/ kg (rat)  
LD50 (Dermal) > 5000 mg/kg (rat)  
LC50 (Inhalation) > 2,06 g/m<sup>3</sup> (rat)

## DIPOTASSIUM PEROXODISULPHATE

LD50 (Oral) 1130 mg/kg (ratto)  
LD50 (Dermal) > 10000 mg/kg (coniglio)  
LC50 (Inhalation) > 42,9 mg/l (ratto)

## DISODIUM METASILICATE

LD50 (Oral) 1152 mg/kg bw (Ratto)  
LD50 (Dermal) > 5000 mg/kg bw (Ratto)  
LC50 (Inhalation) > 2,06 g/m<sup>3</sup> (Ratto)

## AMMONIUM PEROXYDISULPHATE

LD50 (Oral) 272 mg/kg Rat  
LD50 (Dermal) > 2000 mg/kg Rat  
LC50 (Inhalation) > 5,1 mg/l/4h Rat

## SKIN CORROSION / IRRITATION

Corrosive for the skin

## SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

## RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin  
Sensitising for the respiratory system

## GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

## CARCINOGENICITY

Does not meet the classification criteria for this hazard class

**REPRODUCTIVE TOXICITY**

Does not meet the classification criteria for this hazard class

**STOT - SINGLE EXPOSURE**

May cause respiratory irritation

**STOT - REPEATED EXPOSURE**

Does not meet the classification criteria for this hazard class

**ASPIRATION HAZARD**

Does not meet the classification criteria for this hazard class

## Section 12: Eco-toxicity Information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

**Toxicity****SODIUM PERSULFATE**

LC50 - for Fish

163 mg/l/96h *Oncorhynchus mykiss* (Tota iridea)

EC50 - for Crustacea

133 mg/l/48h *Daphnia magna*

EC50 - for Algae / Aquatic Plants

116 mg/l/72h Metodo: OECD TG 201

EC10 for Algae / Aquatic Plants

36 mg/l/18h

Chronic NOEC for Algae / Aquatic Plants

< 171 mg/l *Pseudokirchneriella subcapitata* (alge cloroficee)**SODIUM SILICATE**

LC50 - for Fish

1108 mg/l/96h (*Brachydanio rerio*)

EC50 - for Crustacea

1700 mg/l/48h (*Daphnia magna*)**DIPOTASSIUM PEROXODISULPHATE**

LC50 - for Fish

107,6 mg/l/96h *Scophthalmus maximus*

EC50 - for Crustacea

120 mg/l/48h (*daphnia*)

EC50 - for Algae / Aquatic Plants

320 mg/l/72h *Phaeodactylum***DISODIUM METASILICATE**

LC50 - for Fish

1108 mg/l/96h (*Brachydanio rerio*)

EC50 - for Crustacea

1700 mg/l/48h (*Daphnia magna*)

EC50 - for Algae / Aquatic Plants

207 mg/l/72h (*Schedesmus subspicatus*)



# Safety Data Sheet

Page 15 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

## AMMONIUM PEROXYDISULPHATE

LC50 - for Fish

107,6 mg/l/96h *Scophthalmus maximus*

EC50 - for Crustacea

120 mg/l/48h (*Daphnia magna*)

EC50 - for Algae / Aquatic Plants

320 mg/l/72h *Phaeodactylum*

EC10 for Algae / Aquatic Plants

36 mg/l/72h *Pseudomonas putida*

## Persistence and degradability

### SODIUM PERSULFATE

Solubility in water

730 g/l

Degradability: information not available

### DIPOTASSIUM PEROXODISULPHATE

Rapidly degradable

### DISODIUM METASILICATE

Solubility in water

210000 mg/l

Degradability: information not available

### AMMONIUM PEROXYDISULPHATE

Solubility in water

> 10000 mg/l

Degradability: information not available

## Bio accumulative potential

Information not available

## Mobility in soil

Information not available

## Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

## Other adverse effects

Information not available

## Section 13: Disposal Considerations

### Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.



# Safety Data Sheet

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

### CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## Section 14: Transport Information

### UN number

ADR / RID, IMDG, IATA: 3085

### UN proper shipping name

ADR / RID: OXIDIZING SOLID, CORROSIVE, N.O.S.

IMDG: OXIDIZING SOLID, CORROSIVE, N.O.S.

IATA: OXIDIZING SOLID, CORROSIVE, N.O.S.

### Transport hazard class(es)

ADR / RID: Class: 5.1 Label: 5.1 (8)



IMDG: Class: 5.1 Label: 5.1 (8)



IATA: Class: 5.1 Label: 5.1 (8)



### Packing group

ADR / RID, IMDG, IATA: III

### Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO





# Safety Data Sheet

Page 17 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

## Special precautions for user

ADR / RID:	HIN - Kemler: 58 Special Provision: -	Limited Quantities: 5 kg	Tunnel restriction code: (E)
IMDG:	EMS: F-A, S-Q	Limited Quantities: 5 kg	
IATA:	Cargo:	Maximum quantity: 100 Kg	Packaging instructions: 563
	Pass.:	Maximum quantity: 25 Kg	Packaging instructions: 559
	Special Instructions:	A3	

## Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

## Section 15: Regulatory Information

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

Seveso Category - Directive 2012/18/EC: P8

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance

Point

65

AMMONIUM  
PEROXYDISULPHATE Reg.  
no.: 01-2119495973-19-0000



# Safety Data Sheet

Page 18 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

---

Substances in Candidate List (Art. 59 REACH)	On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.
Substances subject to authorisation (Annex XIV REACH)	None
Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:	None
Substances subject to the Rotterdam Convention:	None
Substances subject to the Stockholm Convention:	None
Healthcare controls	Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Restrictions relating to the product or contained substances pursuant to SUSMP - Poisons Schedule dated 9 July 2020

Contained substance

## **SODIUM PERSULFATE**

CAS 7775-27-1

Schedule 6 Labelling requirements apply in hair preparations

### FIRST AID INSTRUCTIONS

For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor (at once).

If swallowed, do NOT induce vomiting.



# Safety Data Sheet

Page 19 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

---

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

**WARNING** – This product contains ingredients which may cause skin irritation to certain individuals. A preliminary test according to accompanying directions should be made before use. This product must not be used for dyeing eyelashes or eyebrows; to do so may be injurious to the eye. Do not use on broken skin. Wash hands thoroughly after use.

Avoid contact with eyes.

Wear protective gloves when mixing or using.

Keep away from heat, sparks and naked flames.

Mix strictly according to instructions.

May cause fire if it comes into contact with other chemicals, paper or other flammable materials.

## **DIPOTASSIUM PEROXODISULPHATE**

CAS 7727-21-1

Listed as POTASSIUM PERSULFATE

Schedule 6 Labelling requirements apply in hair preparations

### **FIRST AID INSTRUCTIONS**

For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor (at once).

If swallowed, do NOT induce vomiting.

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

**WARNING** – This product contains ingredients which may cause skin irritation to certain individuals. A preliminary test according to accompanying directions should be made before use. This product must not be used for dyeing eyelashes or eyebrows; to do so may be injurious to the eye. Do not use on broken skin. Wash hands thoroughly after use.

Avoid contact with eyes.

Wear protective gloves when mixing or using.

Keep away from heat, sparks and naked flames.

Mix strictly according to instructions.



# Safety Data Sheet

Page 20 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

May cause fire if it comes into contact with other chemicals, paper or other flammable materials.

## AMMONIUM PEROXYDISULPHATE

CAS 7727-54-0

Listed as AMMONIUM PERSULFATE

Schedule 6 Labelling requirements apply in hair preparations

### FIRST AID INSTRUCTIONS

For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor (at once).

If swallowed, do NOT induce vomiting.

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

**WARNING** – This product contains ingredients which may cause skin irritation to certain individuals. A preliminary test according to accompanying directions should be made before use. This product must not be used for dyeing eyelashes or eyebrows; to do so may be injurious to the eye. Do not use on broken skin. Wash hands thoroughly after use.

Avoid contact with eyes.

Wear protective gloves when mixing or using.

Keep away from heat, sparks and naked flames.

Mix strictly according to instructions.

May cause fire if it comes into contact with other chemicals, paper or other flammable materials.

### Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## Section 16: Other Information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Ox. Sol. 3

Oxidising solid, category 3

Met. Corr. 1

Substance or mixture corrosive to metals, category 1



# Safety Data Sheet

Page 21 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

---

Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.

## LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration



# Safety Data Sheet

Page 22 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

---

- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

## GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
  4. Regulation (EU) 2015/830 of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
  7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
  10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
  11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
  12. Regulation (EU) 2016/1179 (IX Atp. CLP)
  13. Regulation (EU) 2017/776 (X Atp. CLP)
  14. Regulation (EU) 2018/669 (XI Atp. CLP)
  15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
  16. Regulation (EU) 2019/521 (XII Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA website
  - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy



# Safety Data Sheet

Page 23 of 23

Version no.: 2

Date: 06/12/2018

Date of revision: 20/07/2020

Product name: Bottle Blonde Powder Lightener

---

## Note for users:

Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Product's classification is based on the calculation methods set out in Annex I of the CLP Regulation, unless otherwise indicated in sections 11 and 12.

The data for evaluation of chemical-physical properties are reported in section 9.

## Disclaimer:

The information continued herein is based on the manufacturers own study and the work of others, implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in the SDS, or in any other way related (directly or indirectly) to this SDS. The information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process

End of document