

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**  
SC Perma

**Product no.**  
-

**REACH registration number**  
Not applicable

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

**Relevant identified uses of the substance or mixture**  
Graffiti protection

**Uses advised against**  
-

The full text of any mentioned and identified use categories are given in section 16

### 1.3. Details of the supplier of the safety data sheet

**Company and address**  
Blue & Green AB  
Stenorsvägen 52  
261 44 Landskrona  
Sweden  
Tfn: +46 418 399000  
Fax: +46 418 13199  
www.blueandgreen.se

**Contact person**  
Cecilia Evaldsson

**E-mail**  
info@blueandgreen.se  
info@blueandgreen.se

**SDS date**  
2019-07-04

**SDS Version**  
1.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Flam. Liq. 3; H226  
Asp. Tox. 1; H304  
Skin Sens. 1; H317  
STOT SE 3; H336  
See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**



**Signal word**  
Danger

According to EC-Regulation 2015/830

#### Hazard statement(s)

Flammable liquid and vapour. (H226)  
 May be fatal if swallowed and enters airways. (H304)  
 May cause an allergic skin reaction. (H317)  
 May cause drowsiness or dizziness. (H336)

#### Precautionary statements

**General** If medical advice is needed, have product container or label at hand. (P101).  
 Keep out of reach of children. (P102).  
**Prevention** Wear protective gloves/eye protection. (P280).  
**Response** IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310).  
**Storage** Store locked up. (P405).  
**Disposal** Dispose of contents/container to an approved waste disposal plant. (P501).

#### Identity of the substances primarily responsible for the major health hazards

Naphtha (petroleum), hydrotreated heavy; N,N-dibutylaminomethyltriethoxysilan; Distillates (petroleum), hydrotreated light; 1,2-Ethanediamine,N-,3-,trimethoxysilyl,propyl,-

#### Additional labelling

Not applicable

#### Unique formula identifier (UFI)

-

#### 2.3. Other hazards

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.

#### Additional warnings

Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.

#### VOC (volatile organic compound)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1/3.2. Substances/Mixtures

NAME: Naphtha (petroleum), hydrotreated heavy  
 IDENTIFICATION NOS.: CAS-no: 64742-48-9 EC-no: 919-875-5 REACH-no: 01-2119463258-33 Index-no: 649-327-00-6  
 CONTENT: 40-60%  
 CLP CLASSIFICATION: Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, H226, H304, H336,

NAME: N,N-dibutylaminomethyltriethoxysilan  
 IDENTIFICATION NOS.: CAS-no: 35501-23-6 REACH-no: 01-2120096609-40  
 CONTENT: 2.5 - <5%  
 CLP CLASSIFICATION: Skin Sens.1B, H317

NAME: Distillates (petroleum), hydrotreated light  
 IDENTIFICATION NOS.: CAS-no: 64742-47-8 EC-no: 265-149-8 REACH-no: 01-2119485032-45 Index-no: 649-422-00-2  
 CONTENT: 2.5 - <5%  
 CLP CLASSIFICATION: Asp. Tox. 1 H304

NAME: 1,2-Ethanediamine,N-,3-,trimethoxysilyl,propyl,-  
 IDENTIFICATION NOS.: CAS-no: 1760-24-3 EC-no: 217-164-6  
 CONTENT: 0.25 - <1%  
 CLP CLASSIFICATION: Eye Dam. 1, Skin Sens. 1 H317, H318

(\*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

-

Detergent:  
 > 30%: ALIPHATIC HYDROCARBONS

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

According to EC-Regulation 2015/830

### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

### Inhalation

Bring the person into fresh air and stay with him/her.

### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

### Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

### Ingestion

Do not induce vomiting! If vomiting occurs, keep head facing down to prevent vomit entering the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should be kept under medical attention for a minimum of 48 hours.

### Burns

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

### Information to medic

Bring this safety data sheet.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Nothing special

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from spilled material. Avoid direct contact with spilled substances. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

### 6.2. Environmental precautions

No specific requirements.

### 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

According to EC-Regulation 2015/830

Avoid static electricity. Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

#### Storage temperature

No data available.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

#### DNEL / PNEC

DNEL (Naphtha (petroleum), hydrotreated heavy): 300mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Naphtha (petroleum), hydrotreated heavy): 300mg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Naphtha (petroleum), hydrotreated heavy): 300mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Naphtha (petroleum), hydrotreated heavy): 1500mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (Naphtha (petroleum), hydrotreated heavy): 900mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

### 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

#### General recommendations

Observe general occupational hygiene standards.

#### Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

#### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

#### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

#### Individual protection measures, such as personal protective equipment

According to EC-Regulation 2015/830



**Generally**

Use only CE marked protective equipment.

**Respiratory Equipment**

Recommended: Combination Filter A1B1E1K1. Class 1 (low capacity). Brown/Gray/Yellow/Green

**Skin protection**

Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

**Hand protection**

Nitrile rubber  
Breakthrough time: > 60 minutes (Class 3)

**Eye protection**

No specific requirements.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

|                              |   |
|------------------------------|---|
| Form                         | Liquid                                  |
| Colour                       | Colourless                              |
| Odour                        | Pleasant                                |
| Odour threshold (ppm)        | No data available.                      |
| pH                           | 7                                       |
| Viscosity (40°C)             | No data available. mm <sup>2</sup> /sek |
| Density (g/cm <sup>3</sup> ) | 0.98                                    |

**Phase changes**

|   |                    |
|---|--------------------|
| Melting point (°C)                      | No data available. |
| Boiling point (°C)                      | No data available. |
| Vapour pressure                         | No data available. |
| Decomposition temperature (°C)          | No data available. |
| Evaporation rate (n-butylacetate = 100) | No data available. |

**Data on fire and explosion hazards**

|                          |                    |
|--------------------------|--------------------|
| Flash point (°C)         | 49                 |
| Ignition (°C)            | No data available. |
| Auto flammability (°C)   | No data available. |
| Explosion limits (% v/v) | No data available. |
| Explosive properties     | No data available. |

**Solubility**

|                             |                    |
|-----------------------------|--------------------|
| Solubility in water         | Insoluble          |
| n-octanol/water coefficient | No data available. |

**9.2. Other information**

|                         |                    |
|-------------------------|--------------------|
| Solubility in fat (g/L) | No data available. |
|-------------------------|--------------------|

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

The product is stable under the conditions, noted in the section "Handling and storage".

**10.3. Possibility of hazardous reactions**

Nothing special

**10.4. Conditions to avoid**

Avoid static electricity.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

According to EC-Regulation 2015/830

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Substance: Distillates (petroleum), hydrotreated light  
 Species: Rat  
 Test: LD50  
 Route of exposure: Dermal  
 Result: >2000mg/kg

Substance: Distillates (petroleum), hydrotreated light  
 Species: Rabbit  
 Test: LD50  
 Route of exposure: Dermal  
 Result: >2000mg/kg

Substance: Distillates (petroleum), hydrotreated light  
 Species: Rat  
 Test: LD50  
 Route of exposure: Oral  
 Result: >5000mg/kg

Substance: Distillates (petroleum), hydrotreated light  
 Species: Rat  
 Test: LC50  
 Route of exposure: Inhalation  
 Result: >4950mg/m<sup>3</sup> 4h

Substance: Naphtha (petroleum), hydrotreated heavy  
 Species: Rat  
 Test: LD50  
 Route of exposure: Dermal  
 Result: >2000mg/kg

Substance: Naphtha (petroleum), hydrotreated heavy  
 Species: Rat  
 Test: LD50  
 Route of exposure: Oral  
 Result: >5000mg/kg

Substance: Naphtha (petroleum), hydrotreated heavy  
 Species: Rat  
 Test: LC50  
 Route of exposure: Inhalation  
 Result: >4.95mg/L 4h

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

No data available.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

#### STOT-single exposure

May cause drowsiness or dizziness.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

#### Long term effects

Nothing special

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance: Distillates (petroleum), hydrotreated light  
 Species: Fish  
 Test: LC50

According to EC-Regulation 2015/830

Duration: 24h  
Result: >1000mg/l

Substance: Distillates (petroleum), hydrotreated light  
Species: Algae  
Test: EC50  
Duration: 72h  
Result: >1000mg/l

Substance: Distillates (petroleum), hydrotreated light  
Species: Daphnia  
Test: EC50  
Duration: 48h  
Result: >1000mg/l

Substance: Naphtha (petroleum), hydrotreated heavy  
Species: Daphnia  
Test: EC50  
Duration: 48h  
Result: >1000mg/l

Substance: Naphtha (petroleum), hydrotreated heavy  
Species: Algae  
Test: EC50  
Duration: 72h  
Result: >1000mg/l

Substance: Naphtha (petroleum), hydrotreated heavy  
Species: Fish  
Test: LC50  
Duration: 96h  
Result: >1000mg/l

## 12.2. Persistence and degradability

| Substance                         | Biodegradability | Test                         | Result |
|-----------------------------------|------------------|------------------------------|--------|
| Naphtha (petroleum), hydrotrea... | Yes              | Manometric Respirometry Test | 80     |

## 12.3. Bioaccumulative potential

| Substance          | Potential bioaccumulation | LogPow | BCF |
|--------------------|---------------------------|--------|-----|
| No data available. |                           |        |     |

No data available.

## 12.4. Mobility in soil

Naphtha (petroleum), hydrotrea...: Log Koc= 2.4541, Calculated from LogPow (Moderate mobility potential.).

## 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

## 12.6. Other adverse effects

Nothing special

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

#### Waste

EWC code

-

#### Specific labelling

Not applicable

#### Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

## SECTION 14: Transport information

### 14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

#### ADR/RID

|                                  |                          |
|----------------------------------|--------------------------|
| 14.1. UN number                  | 1993                     |
| 14.2. UN proper shipping name    | FLAMMABLE LIQUID, N.O.S. |
| 14.3. Transport hazard class(es) | 3                        |
| 14.4. Packing group              | III                      |
| Notes                            | -                        |
| Tunnel restriction code          | -                        |

According to EC-Regulation 2015/830

|                              |                          |
|------------------------------|--------------------------|
| <b>IMDG</b>                  |                          |
| <b>UN-no.</b>                | 1993                     |
| <b>Proper Shipping Name</b>  | FLAMMABLE LIQUID, N.O.S. |
| <b>Class</b>                 | 3                        |
| <b>PG*</b>                   | III                      |
| <b>EmS</b>                   | F-E, S-E                 |
| <b>MP**</b>                  | No                       |
| <b>Hazardous constituent</b> | -                        |

|                             |                          |
|-----------------------------|--------------------------|
| <b>IATA/ICAO</b>            |                          |
| <b>UN-no.</b>               | 1993                     |
| <b>Proper Shipping Name</b> | FLAMMABLE LIQUID, N.O.S. |
| <b>Class</b>                | 3                        |
| <b>PG*</b>                  | III                      |

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available

(\*) Packing group (\*\*) Marine pollutant

**SECTION 15: Regulatory information**

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

**Restrictions for application**

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

**Demands for specific education**

-

**Additional information**

The surfactant(s) contained in this preparation 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.

**Seveso**

Seveso III Part 1: P5c

**Biocidal reg. no.**

Not applicable

**Sources**

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.  
 Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.  
 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).  
 Regulation (EC) 1907/2006 (REACH).  
 The Control of Major Accident Hazards (COMAH) Regulations 2015.

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

**Full text of H-phrases as mentioned in section 3**

- H226 - Flammable liquid and vapour.
- H304 - May be fatal if swallowed and enters airways.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H336 - May cause drowsiness or dizziness.

**The full text of identified uses as mentioned in section 1**

-

**Additional label elements**



According to EC-Regulation 2015/830

Not applicable

**Other**

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data.

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

**The safety data sheet is validated by**

David Löwenstein

**Date of last essential change  
(First cipher in SDS version)**

-

**Date of last minor change  
(Last cipher in SDS version)**

-