

**LANASET® GREEN B**

Version	Revision Date:	SDS Number:	Date of last issue: 25.08.2017
1.2	28.02.2019	400001005627	Date of first issue: 30.01.2017

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name : LANASET® GREEN B

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

Use of the Substance/Mixture : Textile dye

Recommended restrictions on use : For industrial use only.

**1.3 Details of the supplier of the safety data sheet**

Company	: Huntsman Textile Effects
Address	: Klybeckstrasse 200 CH-4057 Basel Switzerland
Telephone	: +41 61 299 11 11
Company	: Huntsman Textile Effects c/o Huntsman Textile Effects (Germany) GmbH
Address	: Rehlinger Straße 1 D-86462 Langweid Germany
Telephone	: +49 8230 410
Telefax	: +49 8230 41 370
E-mail address of person responsible for the SDS	: SDS@huntsman.com

**1.4 Emergency telephone number**Emergency telephone number : Europe: +32 35751234  
Americas: +1 703 527 3887  
USA & Canada: 800 424 9300  
Africa: +32 35751234  
Asia & Pacific: +65 6336 6011  
China: +86 20 39377888  
+86 532 83889090  
India: + 91 22 42 87 5333**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Long-term (chronic) aquatic hazard, Category 2 H411: Toxic to aquatic life with long lasting effects.

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**2.2 Label elements****Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Hazard statements : H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
**Response:**  
P391 Collect spillage.  
**Disposal:**  
P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Hazardous components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
disodium [(9,10-dihydro-9,10-dioxo-1,4-anthrylene)bis(imino-4,1-phenyleneoxy)]bis(benzenesulphonate)	70161-19-2 274-355-7 01-2120064379-47	Aquatic Chronic2; H411	>= 70 - < 90

For explanation of abbreviations see section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Treat symptomatically.  
Get medical attention if symptoms occur.

If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.

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- In case of skin contact : Wash with water and soap as a precaution.
- In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.  
Remove contact lenses.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

None known.

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

Treatment : Treat symptomatically.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Sulphur oxides

**5.3 Advice for firefighters**

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Specific extinguishing methods : Standard procedure for chemical fires.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

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Personal precautions : Avoid dust formation.  
Refer to protective measures listed in sections 7 and 8.

**6.2 Environmental precautions**

Environmental precautions : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Pick up and arrange disposal without creating dust.  
Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal considerations see section 13., See Section 1 for emergency contact information.,  
For personal protection see section 8.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures : General industrial hygiene practice.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage. No special storage conditions required. Keep in properly labelled containers.

Advice on common storage : For incompatible materials please refer to Section 10 of this SDS.

Further information on storage stability : Stable under normal conditions.

**7.3 Specific end use(s)**

Specific use(s) : No data available

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance name	End Use	Exposure routes	Potential health effects	Value
sodium sulphate	Workers	Inhalation	Long-term systemic effects	20 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	20 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term systemic effects	12 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term local effects	12 mg/m <sup>3</sup>

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

Substance name	Environmental Compartment	Value
sodium sulphate	Fresh water	11,09 mg/l
	Marine water	1,109 mg/l
	Freshwater - intermittent	17,66 mg/l
	Fresh water sediment	40,2 mg/kg dry weight (d.w.)
	Marine sediment	4,02 mg/kg dry weight (d.w.)
	Soil	1,54 mg/kg dry weight (d.w.)
	Sewage treatment plant	800 mg/l

**8.2 Exposure controls****Personal protective equipment**

Eye protection : Safety glasses with side-shields

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines

Filter type : Particulates type (P)

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance	: granules
Colour	: dark blue
Odour	: odourless
Odour Threshold	: No data is available on the product itself.
pH	: 9 - 9,5 Concentration: 20 g/l
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: No data is available on the product itself.
Evaporation rate	: No data is available on the product itself.
Flammability (solid, gas)	: No data is available on the product itself.
Burning rate	: Product resists ignition and does not promote flame spread.
Upper explosion limit / Upper flammability limit	: No data is available on the product itself.
Lower explosion limit / Lower flammability limit	: No data is available on the product itself.
Vapour pressure	: No data is available on the product itself.
Relative vapour density	: No data is available on the product itself.
Relative density	: No data is available on the product itself.
Density	: 0,5 g/cm <sup>3</sup> Bulk density
Solubility(ies)	
Water solubility	: 30 g/l (30 °C)
Solubility in other solvents	: No data is available on the product itself.
Partition coefficient: n-octanol/water	: No data is available on the product itself.
Auto-ignition temperature	: No data is available on the product itself.
Decomposition temperature	: 200 °C

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Viscosity : No data is available on the product itself.

Explosive properties : No data is available on the product itself.

Oxidizing properties : None.

**9.2 Other information**

Impact sensitivity : Not impact sensitive.

Molecular weight : No data available

Self-ignition : 420 °C  
Method: BAM

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Dust may form explosive mixture in air.

**10.4 Conditions to avoid**

Conditions to avoid : None known.

**10.5 Incompatible materials**

Materials to avoid : None known.

**10.6 Hazardous decomposition products**

Hazardous decomposition products : Sulphur Oxides

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Acute oral toxicity - Product : LD50 (Rat): > 5 000 mg/kg

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Acute toxicity (other routes of : No data available

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**Skin corrosion/irritation****Components:**

disodium [(9,10-dihydro-9,10-dioxo-1,4-anthrylene)bis(imino-4,1-phenyleneoxy)]bis(benzenesulphonate):

Species: Rabbit

Assessment: No skin irritation

Result: No skin irritation

**Serious eye damage/eye irritation****Components:**

disodium [(9,10-dihydro-9,10-dioxo-1,4-anthrylene)bis(imino-4,1-phenyleneoxy)]bis(benzenesulphonate):

Species: Rabbit

Assessment: No eye irritation

Result: No eye irritation

**Respiratory or skin sensitisation****Product:**

Exposure routes: Skin

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

Assessment: No data available

**Germ cell mutagenicity**

Genotoxicity in vitro : No data available

Genotoxicity in vivo : No data available

**Carcinogenicity**

No data available

Carcinogenicity - Assessment : No data available

**Reproductive toxicity**

Effects on fertility : No data available

Effects on foetal development : No data available

Reproductive toxicity - Assessment : No data available



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### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Repeated dose toxicity

No data available

Repeated dose toxicity - Assessment : No data available

### Aspiration toxicity

No data available

### Experience with human exposure

General Information: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

### Toxicology, Metabolism, Distribution

No data available

### Neurological effects

No data available

### Further information

Ingestion: No data available

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**SECTION 12: Ecological information****12.1 Toxicity****Product:**

Toxicity to fish : LC0 : 0,2 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 203

LC50 : 0,6 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 203

Toxicity to microorganisms : IC50 : > 300 mg/l  
Exposure time: 3 h

**Components:**

disodium [(9,10-dihydro-9,10-dioxo-1,4-anthrylene)bis(imino-4,1-phenyleneoxy)]bis(benzenesulphonate):

Toxicity to fish : LC50 (Other): 0,6 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 34 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 9,6 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

**12.2 Persistence and degradability****Product:**

Biodegradability : Biodegradation: 10 - 20 %  
Exposure time: 28 d  
Method: Simulation Test - Aerobic Sewage Treatment. A: Activated Sludge Units

Biochemical Oxygen Demand (BOD) : 0 mgO<sub>2</sub>/g

Chemical Oxygen Demand (COD) : 1270 mgO<sub>2</sub>/g

**Components:**

disodium [(9,10-dihydro-9,10-dioxo-1,4-anthrylene)bis(imino-4,1-phenyleneoxy)]bis(benzenesulphonate):

Biodegradability : Result: Not biodegradable  
Biodegradation: 10 - 20 %  
Exposure time: 28 d  
Method: Simulation Test - Aerobic Sewage Treatment. A:

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## Activated Sludge Units

Biochemical Oxygen Demand (BOD) : 0 mgO<sub>2</sub>/gChemical Oxygen Demand (COD) : 800 mgO<sub>2</sub>/g**12.3 Bioaccumulative potential****Components:**

disodium [(9,10-dihydro-9,10-dioxo-1,4-anthrylene)bis(imino-4,1-phenyleneoxy)]bis(benzenesulphonate):

Partition coefficient: n-octanol/water : log Pow: &lt; 3

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment****Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

**12.6 Other adverse effects****Product:**

Adsorbed organic bound halogens (AOX) : 0 %

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.**SECTION 13: Disposal considerations****13.1 Waste treatment methods**Product : The product should not be allowed to enter drains, water courses or the soil.  
Dispose of as hazardous waste in compliance with local and national regulations.  
Dispose of contents/ container to an approved waste disposal plant.**SECTION 14: Transport information****IATA**

14.1 UN number : UN 3077

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**14.2 UN proper shipping name** : Environmentally hazardous substance, solid, n.o.s.  
(Anthraquinone dyestuff)

**14.3 Transport hazard class(es)** : 9

**14.4 Packing group** : III

Labels : Miscellaneous

Packing instruction (cargo aircraft) : 956

Packing instruction (passenger aircraft) : 956

**IMDG**

**14.1 UN number** : UN 3077

**14.2 UN proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Anthraquinone dyestuff)

**14.3 Transport hazard class(es)** : 9

**14.4 Packing group** : III

Labels : 9

EmS Code : F-A, S-F

**14.5 Environmental hazards**

Marine pollutant : yes

**ADR**

**14.1 UN number** : UN 3077

**14.2 UN proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Anthraquinone dyestuff)

**14.3 Transport hazard class(es)** : 9

**14.4 Packing group** : III

Labels : 9

**14.5 Environmental hazards**

Environmentally hazardous : yes

**RID**

**14.1 UN number** : UN 3077

**14.2 UN proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Anthraquinone dyestuff)

**14.3 Transport hazard class(es)** : 9

**14.4 Packing group** : III

Labels : 9

**14.5 Environmental hazards**

Environmentally hazardous : yes

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

Not applicable for product as supplied.

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
- REACH - List of substances subject to authorisation - Future sunset date : Not applicable
- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
- Ordinance on Protection against Major Accidents Threshold quantity according to Major Accidents Ordinance (MAO 814.012) : 20 000 kg

**The components of this product are reported in the following inventories:**

- DSL : All components of this product are on the Canadian DSL
- AICS : On the inventory, or in compliance with the inventory
- NZIoC : On the inventory, or in compliance with the inventory
- ENCS : Notified. Allowed to be imported / manufactured only by the notifiers. Please contact your Huntsman sales representative for more information.
- KECI : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory
- TCSI : On the inventory, or in compliance with the inventory
- TSCA : On the inventory, or in compliance with the inventory

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), ENCS (Japan), KECI (Korea), NZIOI (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States of America (USA))

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**15.2 Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information****Full text of H-Statements**

H411 : Toxic to aquatic life with long lasting effects.

**Full text of other abbreviations**

Aquatic Chronic : Long-term (chronic) aquatic hazard

**Classification of the mixture:****Classification procedure:**

Aquatic Chronic 2

H411

Calculation method

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