

SAFETY DATA SHEET

According to 13 December 2014, No:29204, "Ministry of Environment and Urbanization; Regulation on Safety data sheets regarding hazardous substances and mixtures".

HUNTSMAN

Enriching lives through innovation

SOLOPHENYL® BLUE FGLE 220%

Version	Revision Date:	SDS Number:	Date of last issue: 10.12.2015
1.1	24.08.2016	400001005932	Date of first issue: 10.12.2015

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

1.1 Product identifier

Trade name : SOLOPHENYL® BLUE FGLE 220%

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

Use of the Substance/Mixture : Textile dyes, finishing and impregnating products; including bleaches and other processing aids

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	: pehs_te@huntsman.com

1.4 Emergency telephone number

Emergency telephone number : Europe: +32 35751234
Americas: +1 703 527 3887
Africa: +32 35751234
Asia & Pacific: +65 6336 6011
China: +86 20 39377888
+86 532 83889090
India: + 91 22 42 87 5333
USA & Canada: 800 424 9300

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification T.R. SEA No 28848

Not a hazardous substance or mixture.

2.2 Label elements

Labelling T.R. SEA No 28848

Not a hazardous substance or mixture.

Additional Labelling:

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EUH210 Safety data sheet available on request.

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.
No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture

Hazardous components

Chemical name	CAS-No. EC-No.	T.R. SAE No 27092	T.R. SEA No 28848	Concentration (% w/w)
White mineral oil (petroleum)	8042-47-5 232-455-8	Xn; R65	Asp. Tox.1; H304	1 - 3
sodium carbonate	497-19-8 207-838-8	Xi; R36	Eye Irrit.2; H319	1 - 3

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.

In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

None known.

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4.3 Indication of any immediate medical attention and special treatment needed

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 : No data is available on the product itself.

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : No data is available on the product itself.

Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
No special handling advice required.

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

Hygiene measures : General industrial hygiene practice.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : No hazardous decomposition products are known.

No special restrictions on storage with other products.

Other data : Keep in a dry place. No decomposition if stored and applied as directed.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection
Material : Neoprene gloves

Break through time : < 1 h

Remarks : For prolonged or repeated contact use protective gloves.

Skin and body protection : Protective suit

Respiratory protection : P1 filter

No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : powder

Colour : blue

Odour : odourless

pH : 9 - 10
Concentration: 20 g/l (20 °C)

Flash point : No data is available on the product itself.

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Density	: 1 g/cm ³
Solubility(ies) Water solubility	: 50 g/l (30 °C)
Partition coefficient: n- octanol/water	: log Pow: -10
Decomposition temperature	: > 200 °C
Viscosity	: No data is available on the product itself.
Oxidizing properties	: None.

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	: None known. Stable under normal conditions.
	No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid	: None.
	No data available

10.5 Incompatible materials

Materials to avoid	: None known.
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10.6 Hazardous decomposition products

Stable under normal conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity - Product	: LD50 (Rat): > 5.000 mg/kg
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Components:

White mineral oil (petroleum):

Acute inhalation toxicity : LC50 (Rat, male and female): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

sodium carbonate:

Acute inhalation toxicity : LC50 (Rat): 2.875 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

White mineral oil (petroleum):

Acute inhalation toxicity : LC50 (Rat, male and female): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

sodium carbonate:

Acute inhalation toxicity : LC50 (Rat): 2.875 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Components:

sodium carbonate:

Acute dermal toxicity : LD50 (Rabbit): 2.210 mg/kg

sodium carbonate:

Acute dermal toxicity : LD50 (Rabbit): 2.210 mg/kg

Acute toxicity (other routes of administration) : No data available

Skin corrosion/irritation

Product:

Species: Rabbit

Assessment: No skin irritation

Result: No skin irritation

Remarks: The product is not considered as being a skin irritant.

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Serious eye damage/eye irritation

Product:

Species: Rabbit

Assessment: No eye irritation

Result: No eye irritation

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Product:

Exposure routes: Skin

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

Remarks: No data available

Assessment: No data available

Germ cell mutagenicity

Components:

White mineral oil (petroleum):

Genotoxicity in vitro

: Concentration: 12 - 60 ug/plate

Metabolic activation: Metabolic activation

Method: OECD Test Guideline 471

Result: negative

: Concentration: 1000 ug/plate

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

White mineral oil (petroleum):

Genotoxicity in vitro

: Concentration: 12 - 60 ug/plate

Metabolic activation: Metabolic activation

Method: OECD Test Guideline 471

Result: negative

: Concentration: 1000 ug/plate

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Components:

White mineral oil (petroleum):

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Genotoxicity in vivo : Cell type: Somatic
Application Route: Intraperitoneal injection
Exposure time: 72 h
Dose: 1 - 5 g/kg
Method: OECD Test Guideline 474
Result: negative

White mineral oil (petroleum):
Genotoxicity in vivo : Cell type: Somatic
Application Route: Intraperitoneal injection
Exposure time: 72 h
Dose: 1 - 5 g/kg
Method: OECD Test Guideline 474
Result: negative

Carcinogenicity

Components:

White mineral oil (petroleum):
Species: Rat, (male and female)
Application Route: Oral
Exposure time: 24 month(s)
Dose: 1200 mg/kg
Frequency of Treatment: 7 daily
Method: OECD Test Guideline 453
Result: negative

White mineral oil (petroleum):
Species: Rat, (male and female)
Application Route: Oral
Exposure time: 24 month(s)
Dose: 1200 mg/kg
Frequency of Treatment: 7 daily
Method: OECD Test Guideline 453
Result: negative

Carcinogenicity - : No data available
Assessment

Reproductive toxicity

Components:

White mineral oil (petroleum):
Effects on fertility : Species: Rat, male and female
Application Route: Dermal
Method: OECD Test Guideline 415
Result: No effects on fertility and early embryonic
development were detected.

White mineral oil (petroleum):
Species: Rat, male and female
Application Route: Dermal

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Method: OECD Test Guideline 415
Result: No effects on fertility and early embryonic development were detected.

Components:

White mineral oil (petroleum):

Effects on foetal development

: Species: Rat, female
Application Route: Oral
General Toxicity Maternal: No observed adverse effect level:
>= 5.000 mg/kg body weight
Method: OECD Test Guideline 414
Result: No teratogenic effects

White mineral oil (petroleum):

Species: Rat, female
Application Route: Oral
General Toxicity Maternal: No observed adverse effect level:
>= 5.000 mg/kg body weight
Method: OECD Test Guideline 414
Result: No teratogenic effects

Reproductive toxicity - Assessment

: No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

Components:

White mineral oil (petroleum):

Species: Rat, male and female

NOEC: 2 mg/kg, 50

Application Route: Ingestion

Test atmosphere: dust/mist

Exposure time: 4 WeeksNumber of exposures: 7 d

Method: OECD Test Guideline 412

Species: Rat, male and female

NOAEL: >= 2000 mg/kg

Application Route: Skin contact

Exposure time: 13 WeeksNumber of exposures: 7 d

Method: Subchronic toxicity

White mineral oil (petroleum):

Species: Rat, male and female

NOEC: 2 mg/kg, 50

Application Route: Ingestion

Test atmosphere: dust/mist

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Exposure time: 4 WeeksNumber of exposures: 7 d
Method: OECD Test Guideline 412

Species: Rat, male and female
NOAEL: ≥ 2000 mg/kg
Application Route: Skin contact
Exposure time: 13 WeeksNumber of exposures: 7 d
Method: Subchronic toxicity

Repeated dose toxicity - : No data available
Assessment

Aspiration toxicity

Components:

White mineral oil (petroleum):
May be fatal if swallowed and enters airways.

White mineral oil (petroleum):
May be fatal if swallowed and enters airways.

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

Product:

Remarks: No data available

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SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish	: LC50 : > 1.000 mg/l Exposure time: 48 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to bacteria	: IC50 : > 320 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

Components:

White mineral oil (petroleum):

Toxicity to fish	: LL50 (Oncorhynchus mykiss (rainbow trout)): >= 100 mg/l Exposure time: 96 h Test Type: static test Test substance: Fresh water Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: LL50 (Daphnia magna (Water flea)): >= 100 mg/l Exposure time: 48 h Test Type: static test Test substance: Fresh water Method: OECD Test Guideline 202
Toxicity to algae	: NOECr (Selenastrum capricornutum (green algae)): >= 100 mg/l Exposure time: 72 h Test Type: static test Test substance: Fresh water Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: >= 1.000 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Test Type: semi-static test Test substance: Fresh water Method: OECD Test Guideline 211

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

sodium carbonate:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l

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Exposure time: 96 h

Test Type: static test

LC50 (Lepomis macrochirus (Bluegill sunfish)): 320 mg/l

Exposure time: 96 h

Test Type: static test

LC50 (Gambusia affinis (Mosquito fish)): 740 mg/l

Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 265 mg/l
Exposure time: 48 h

White mineral oil (petroleum):

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): >= 100 mg/l
Exposure time: 96 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : LL50 (Daphnia magna (Water flea)): >= 100 mg/l
Exposure time: 48 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 202

Toxicity to algae : NOECr (Selenastrum capricornutum (green algae)): >= 100 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: Fresh water
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: >= 1.000 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Test Type: semi-static test
Test substance: Fresh water
Method: OECD Test Guideline 211

Ecotoxicology Assessment
Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

sodium carbonate:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l
Exposure time: 96 h
Test Type: static test

LC50 (Lepomis macrochirus (Bluegill sunfish)): 320 mg/l

Exposure time: 96 h

Test Type: static test

LC50 (Gambusia affinis (Mosquito fish)): 740 mg/l

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Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 265 mg/l
Exposure time: 48 h

12.2 Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable.
Biodegradation: > 90 %
Exposure time: 28 d
Method: Simulation Test - Aerobic Sewage Treatment. A: Activated Sludge Units

Biochemical Oxygen Demand (BOD) : 5 mgO₂/g

Chemical Oxygen Demand (COD) : 685 mgO₂/g

Components:

White mineral oil (petroleum):

Biodegradability : Inoculum: activated sludge
Result: Inherently biodegradable.
Biodegradation: 31 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Stability in water : Method: No information available.
GLP: No information available.

White mineral oil (petroleum):

Biodegradability : Inoculum: activated sludge
Result: Inherently biodegradable.
Biodegradation: 31 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Stability in water : Method: No information available.
GLP: No information available.

12.3 Bioaccumulative potential

No data available

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..

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12.6 Other adverse effects

Product:

Adsorbed organic bound
halogens (AOX) : 0 %

Additional ecological
information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed
disposal company.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste
handling site for recycling or disposal.

SECTION 14: Transport information

IATA

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

ADR

Not regulated as dangerous goods

RID

Not regulated as dangerous goods

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

Code Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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

TSCA : On the inventory, or in compliance with the inventory

DSL : This product contains one or several components listed in the
Canadian NDSL.

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AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

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

Inventories

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

SECTION 16: Other information

Full text of R-Phrases

R36 : Irritating to eyes.
R65 : Harmful: may cause lung damage if swallowed.

Full text of H-Statements

H304 : May be fatal if swallowed and enters airways.
H319 : Causes serious eye irritation.

Full text of other abbreviations

Asp. Tox. : Aspiration hazard
Eye Irrit. : Eye irritation

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

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THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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