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# **NOVACRON® NAVY S-G**

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

1.1 Product identifier

Trade name : NOVACRON® NAVY S-G

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

Use of the : Textile dyes, finishing and impregnating products; including

Substance/Mixture 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

Serious eye damage, Category 1 H318: Causes serious eye damage.

Respiratory sensitisation, Category 1 H334: May cause allergy or asthma symptoms

or breathing difficulties if inhaled.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

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#### 2.2 Label elements

### Labelling T.R. SEA No 28848

Hazard pictograms





Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H334 May cause allergy or asthma symptoms or

breathing difficulties if inhaled.

Precautionary statements : Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/

vapours/ spray.

P280 Wear protective gloves/ eye protection/ face

protection.

P284 Wear respiratory protection.

Response:

P305 + P351 + P338 + P310IF IN EYES: Rinse cautiously

with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P333 + P313 If skin irritation or rash occurs: Get medical

advice/ attention.

P342 + P311 If experiencing respiratory symptoms: Call a

POISON CENTER or doctor/ physician.

Hazardous components which must be listed on the label:

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-(2-sulfonatooxyethanesulfonyl)phenylamin

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate

### 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

#### **Hazardous components**

Chemical name	CAS-No. EC-No.	T.R. SAE No 27092	T.R. SEA No 28848	Concentration (% w/w)
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mixture of: 4-amino-3- (4-ethenesulfonyl-2- sulfonatophenylazo)-5- hydroxy-6-(5-{4-chloro- 6-[4-(2- sulfonatooxyethanesulf onyl)phenylamin	586372-44-3 451-440-9	Xi; R41 Xi; R41	Eye Dam.1; H318	30 - 60
tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate	17095-24-8 241-164-5	Xn; R42/43	Resp. Sens.1; H334 Skin Sens.1; H317	1 - 3
distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9 265-159-2	Carc.Cat.2; R45		0.1 - 1

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.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled : Call a physician or poison control centre immediately.

If unconscious place in recovery position and seek

medical advice.

In case of skin contact : If on skin, rinse well with water.

In case of eye contact : Small amounts splashed into eyes can cause irreversible

tissue damage and blindness.

In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice. Continue rinsing eyes during transport to

hospital. Remove contact lenses.

Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

# 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 : No data is available on the product itself.

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

: No data is available on the product itself.

#### 5.3 Advice for firefighters

Special protective equipment

for firefighters

: Wear self-contained breathing apparatus for firefighting if

necessary.

Specific extinguishing

methods

: No data is available on the product itself.

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.

### **SECTION 6: Accidental release measures**

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

Personal precautions : Use personal protective equipment.

> Avoid dust formation. Avoid breathing dust.

Ensure adequate ventilation.

#### 6.2 Environmental precautions

**Environmental precautions** : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

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 : Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

None

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



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### **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of respirable particles.

Do not breathe vapours/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Advice on protection against fire and explosion

: Avoid dust formation. Provide appropriate exhaust ventilation

at places where dust is formed.

Hygiene measures

: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

#### 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. Electrical installations / working materials must comply with the technological safety standards.

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

Other data : 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 : Tightly fitting safety goggles

Eye wash bottle with pure water Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal

processing problems.

Hand protection

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Material : Neoprene gloves

Break through time : < 1 h

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Skin and body protection : Dust impervious protective suit

Choose body protection according to the amount and

concentration of the dangerous substance at the work place.

Respiratory protection : P3 filter

In the case of dust or aerosol formation use respirator with an

approved filter.

Dust safety masks are recommended when the dust

concentration is more than 10 mg/m3.

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance : granules

Colour : black

Odour : odourless

pH : 5,5 - 6

Concentration: 20 g/l (20 °C)

Melting point : > 300 °C

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

Density : 0,729 g/cm3

Bulk density

1 g/cm3

Solubility(ies)

Water solubility : > 100 g/l (20 °C)

Viscosity : No data is available on the product itself.

Oxidizing properties : None.

### 9.2 Other information

No data available

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### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 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 decomposition if stored and applied as directed.

Dust may form explosive mixture in air.

#### 10.4 Conditions to avoid

Conditions to avoid : None.

No data available

### 10.5 Incompatible materials

### 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): > 2.000 mg/kg

Acute inhalation toxicity : No data available

Acute dermal toxicity -

**Product** 

: LD50 (Rat): > 2.000 mg/kg

Acute toxicity (other routes of : No data available

administration)

### Skin corrosion/irritation

#### **Product:**

Species: Rabbit

Assessment: No skin irritation Method: OECD Test Guideline 404

Result: No skin irritation

Remarks: Extremely corrosive and destructive to tissue.

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



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### Serious eye damage/eye irritation

#### **Product:**

Species: Rabbit

Assessment: Stains the eyes Method: OECD Test Guideline 405

Result: Stains the eyes

Remarks: May cause irreversible eye damage.

### Respiratory or skin sensitisation

### **Product:**

Exposure routes: Skin Species: Guinea pig

Method: OECD Test Guideline 406 Result: Causes sensitisation.

Remarks: Causes sensitisation.

#### **Components:**

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-(2-sulfonatooxyethanesulfonyl)phenylamin:

Assessment: Causes serious eye damage.

Does not cause skin sensitisation.

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-(2-sulfonatooxyethanesulfonyl)phenylamin:

Assessment: Causes serious eve damage.

Does not cause skin sensitisation.

### Germ cell mutagenicity

#### **Components:**

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-(2-sulfonatooxyethanesulfonyl)phenylamin:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro

Test species: Chinese hamster lung cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

: Test Type: Ames test

Test species: Salmonella tryphimurium and E. coli

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Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[

(2-sulfonatooxyethanesulfonyl)phenylamin:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro

Test species: Chinese hamster lung cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

: Test Type: Ames test

Test species: Salmonella tryphimurium and E. coli

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

### **Components:**

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Genotoxicity in vivo : Cell type: Somatic

Application Route: Oral Dose: 5000 mg/kg

Method: OECD Test Guideline 473

Result: negative

Method: OECD Test Guideline 474

Result: negative

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Genotoxicity in vivo : Cell type: Somatic

Application Route: Oral Dose: 5000 mg/kg

Method: OECD Test Guideline 473

Result: negative

Method: OECD Test Guideline 474

Result: negative

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### **Components:**

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-(2-sulfonatooxyethanesulfonyl)phenylamin:

Germ cell mutagenicity- : Tests on bacterial or mammalian cell cultures did not show

Assessment mutagenic effects.

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-

(2-sulfonatooxyethanesulfonyl)phenylamin:

Germ cell mutagenicity- : Tests on bacterial or mammalian cell cultures did not show

Assessment mutagenic effects.

Germ cell mutagenicity-

Assessment

: No data available

#### Carcinogenicity

No data available

Carcinogenicity - : No data available

Assessment

Reproductive toxicity

Effects on fertility : No data available

### **Components:**

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Effects on foetal : Species: Rat

development Application Route: Oral

General Toxicity Maternal: No observed adverse effect level:

1.000 mg/kg body weight Result: No teratogenic effects

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Species: Rat

Application Route: Oral

General Toxicity Maternal: No observed adverse effect level:

1.000 mg/kg body weight Result: No teratogenic effects

Reproductive toxicity -

Assessment

: No data available

#### STOT - single exposure

No data available

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



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#### STOT - repeated exposure

No data available

#### Repeated dose toxicity

# Components:

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Species: Rat NOAEL: 250 mg/kg

Application Route: Ingestion

Exposure time: 2.160 hMethod: Subchronic toxicity

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-

(2-sulfonatooxyethanesulfonyl)phenylamin:

Species: Rat, male and female

NOEL: 200 mg/kg

Application Route: oral (gavage)

Exposure time: 28 days Number of exposures: 7 days/week

Dose: 0, 50, 200 and 1000 mg/kg

Group: yes

Method: OECD Test Guideline 407

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Species: Rat NOAEL: 250 mg/kg

Application Route: Ingestion

Exposure time: 2.160 hMethod: Subchronic toxicity

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-

(2-sulfonatooxyethanesulfonyl)phenylamin:

Species: Rat, male and female

NOEL: 200 mg/kg

Application Route: oral (gavage)

Exposure time: 28 days Number of exposures: 7 days/week

Dose: 0, 50, 200 and 1000 mg/kg

Group: yes

Method: OECD Test Guideline 407

### **Components:**

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-

(2-sulfonatooxyethanesulfonyl)phenylamin:

Repeated dose toxicity - : Causes serious eye damage.

Assessment No adverse effect has been observed in chronic toxicity tests.

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-

(2-sulfonatooxyethanesulfonyl)phenylamin:

Repeated dose toxicity - : Causes serious eye damage.

Assessment No adverse effect has been observed in chronic toxicity tests.

#### **Aspiration toxicity**

No data available

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### 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

### **SECTION 12: Ecological information**

### 12.1 Toxicity

Product:

Toxicity to fish : LC50 :> 100 mg/l

Exposure time: 96 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 : > 100 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

### **Components:**

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



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tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Toxicity to fish : LC50 :> 100 mg/l

Exposure time: 96 h
Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 203

LC50 : > 100 mg/l Exposure time: 336 h Test Type: flow-through test Test substance: Fresh water Method: OECD Test Guideline 204

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 748 mg/l

Exposure time: 48 h Test Type: semi-static test

Test substance: Fresh water Method: OECD Test Guideline 202

Toxicity to algae : NOEC (Desmodesmus subspicatus (Scenedesmus

subspicatus)): 3,2 mg/l Exposure time: 72 h Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 201

Toxicity to bacteria : EC50 : > 5.000 mg/l

Exposure time: 3 h

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOEC: 1,25 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

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-(2-sulfonatooxyethanesulfonyl)phenylamin:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l

Exposure time: 96 h Test Type: static test

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h Test Type: static test

Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l

Exposure time: 72 h Test Type: static test

Method: OECD Test Guideline 201

Toxicity to bacteria : IC50 (activated sludge): > 1.000 mg/l

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Exposure time: 3 h
Test Type: static test

Method: OECD Test Guideline 209

**Ecotoxicology Assessment** 

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

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

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Toxicity to fish : LC50 : > 100 mg/l

Exposure time: 96 h
Test Type: static test
Test substance: Fresh water

Method: OECD Test Guideline 203

LC50 : > 100 mg/l Exposure time: 336 h Test Type: flow-through test Test substance: Fresh water Method: OECD Test Guideline 204

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 748 mg/l

Exposure time: 48 h
Test Type: semi-static test
Test substance: Fresh water
Method: OECD Test Guideline 202

Toxicity to algae : NOEC (Desmodesmus subspicatus (Scenedesmus

subspicatus)): 3,2 mg/l Exposure time: 72 h Test Type: static test

Test substance: Fresh water Method: OECD Test Guideline 201

Toxicity to bacteria : EC50 : > 5.000 mg/l

Exposure time: 3 h

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: NOEC: 1,25 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

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-(2-sulfonatooxyethanesulfonyl)phenylamin:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l

Exposure time: 96 h Test Type: static test

Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

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



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Test Type: static test

Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l

Exposure time: 72 h Test Type: static test

Method: OECD Test Guideline 201

Toxicity to bacteria : IC50 (activated sludge): > 1.000 mg/l

Exposure time: 3 h
Test Type: static test

Method: OECD Test Guideline 209

**Ecotoxicology Assessment** 

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

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

### 12.2 Persistence and degradability

#### **Product:**

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 3 % Exposure time: 28 d

Method: OECD Test Guideline 301A

**Biochemical Oxygen** 

Demand (BOD)

: 0 mgO2/g

Chemical Oxygen Demand

(COD)

: ca. 800 mgO2/g

### **Components:**

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Biodegradability : Inoculum: activated sludge

Concentration: 13 mg/l Biodegradation: 0 % Exposure time: 28 d

Method: OECD Test Guideline 302B

Stability in water : Method: No information available.

GLP: No information available. Remarks: see user defined free text

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-

(2-sulfonatooxyethanesulfonyl)phenylamin:

Biodegradability : Test Type: aerobic

Inoculum: activated sludge Concentration: 38,5 mg/l

Result: Not readily biodegradable.

Biodegradation: 3 %

Related to: Dissolved organic carbon (DOC)

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



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Exposure time: 28 d

Method: OECD Test Guideline 301A

Test Type: aerobic

Inoculum: activated sludge Concentration: 157,4 mg/l

Result: Not inherently biodegradable.

Biodegradation: 8 %

Related to: Dissolved organic carbon (DOC)

Exposure time: 28 d

Method: OECD Test Guideline 302B

Biochemical Oxygen

Demand (BOD) Incubation time: 5 d

Method: ISO 5815

Chemical Oxygen Demand

(COD)

: 672 mgO2/g

: 0 mgO2/g

Stability in water : Method: No information available.

Method: No information available. GLP: No information available.

Method: OECD Test Guideline 111 GLP: No information available.

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Biodegradability : Inoculum: activated sludge

Concentration: 13 mg/l Biodegradation: 0 % Exposure time: 28 d

Method: OECD Test Guideline 302B

Stability in water : Method: No information available.

GLP: No information available. Remarks: see user defined free text

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-

(2-sulfonatooxyethanesulfonyl)phenylamin:

Biodegradability : Test Type: aerobic

Inoculum: activated sludge Concentration: 38,5 mg/l

Result: Not readily biodegradable.

Biodegradation: 3 %

Related to: Dissolved organic carbon (DOC)

Exposure time: 28 d

Method: OECD Test Guideline 301A

Test Type: aerobic

Inoculum: activated sludge Concentration: 157,4 mg/l

Result: Not inherently biodegradable.

Biodegradation: 8 %

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



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Related to: Dissolved organic carbon (DOC)

Exposure time: 28 d

Method: OECD Test Guideline 302B

Biochemical Oxygen : 0 mgO2/g

Demand (BOD) Incubation time: 5 d

Method: ISO 5815

Chemical Oxygen Demand

(COD)

: 672 mgO2/g

Stability in water : Method: No information available.

Method: No information available. GLP: No information available.

Method: OECD Test Guideline 111 GLP: No information available.

#### 12.3 Bioaccumulative potential

#### **Components:**

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Bioaccumulation : Species: Cyprinus carpio (Carp)

Bioconcentration factor (BCF): < 11 Remarks: Does not bioaccumulate.

Partition coefficient: n-

octanol/water

: log Pow: < -4,34

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-

(2-sulfonatooxyethanesulfonyl)phenylamin:

Partition coefficient: n- : log Pow: < -5,5 (20 °C) octanol/water : Method: Partition coefficient

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Bioaccumulation : Species: Cyprinus carpio (Carp)

Bioconcentration factor (BCF): < 11 Remarks: Does not bioaccumulate.

Partition coefficient: n-

octanol/water

: log Pow: < -4,34

mixture of: 4-amino-3-(4-ethenesulfonyl-2-sulfonatophenylazo)-5-hydroxy-6-(5-{4-chloro-6-[4-

(2-sulfonatooxyethanesulfonyl)phenylamin:

Partition coefficient: n- : log Pow: < -5,5 (20 °C) octanol/water : Method: Partition coefficient

### 12.4 Mobility in soil

#### Components:

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



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tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate: Distribution among: Koc: < 1,25Method: Directive 67/548/EEC, Annex V, C.19

environmental compartments

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate: Distribution among: Koc: < 1,25Method: Directive 67/548/EEC, Annex V, C.19

environmental compartments

#### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects

#### **Product:**

Adsorbed organic bound : < .1 %

halogens (AOX) Test substance: Chlorine

Additional ecological

information

: No data available

#### Components:

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Adsorbed organic bound

halogens (AOX)

: 0%

tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[2-

(sulphonatooxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate:

Adsorbed organic bound

halogens (AOX)

: 0%

### **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

### **SECTION 14: Transport information**

#### IATA

Not regulated as dangerous goods

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#### **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 that are not

on the Canadian DSL nor NDSL.

AICS : Not in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : Low volume exemption

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 : Not in compliance with the inventory

#### **Inventories**

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

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



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#### **SECTION 16: Other information**

#### **Full text of R-Phrases**

R41 : Risk of serious damage to eyes.

R42/43 : May cause sensitisation by inhalation and skin contact.

R45 : May cause cancer.

**Full text of H-Statements** 

H317 : May cause an allergic skin reaction. H318 : Causes serious eye damage.

H334 : May cause allergy or asthma symptoms or breathing

difficulties if inhaled.

### Full text of other abbreviations

Eye Dam.Resp. Sens.Respiratory sensitisationSkin Sens.Skin sensitisation

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