

# **NOVACRON® RED EC-2BL**

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 02.11.2016

 1.1
 25.01.2019
 400001006256
 Date of first issue: 02.11.2016

#### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : NOVACRON® RED EC-2BL

Manufacturer or supplier's details

Company : Huntsman International (India) Pvt. Ltd.

Address : Hiranandani Business Park, Light Hall, 'B' Wing Saki Vihar

Road, Chandivali, Andheri (East)

Mumbai, 400 072 India

Telephone : +91 22 42875100

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Africa: +32 35751234

Asia & Pacific: +65 6336 6011 China: +86 20 39377888 +86 532 83889090 India: +91 22 42 87 5333

Recommended use of the chemical and restrictions on use

Recommended use : Textile dye

### 2. HAZARDS IDENTIFICATION

**GHS Classification** 

Serious eye damage/eye

irritation

: Category 1

**GHS** label elements

Hazard pictograms

正图

Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

Precautionary statements : **Prevention:** 

P280 Wear eye protection/ face protection.



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#### Response:

P305 + P351 + P338 + P310 IF 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/doctor.

Storage: Not available Disposal: Not available

#### Other hazards which do not result in classification

Cases of respiratory sensitization have been observed with reactive dyes.

Care should be taken to avoid inhalation

Should an individual become sensitized a physician should be consulted and all contact with reactive dyes must cease immediately.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Mixture

### **Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
2-Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	36290-04-7	>= 50 - < 70
2,7-Naphthalenedisulfonic acid, 3-amino-4-[[4-[[4-[[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt	212652-59-0	>= 30 - < 50

# 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

Consult a physician.

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.

In case of skin contact : Wash with water and soap as a precaution.

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.



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Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do NOT induce vomiting.

Never give anything by mouth to an unconscious person.

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

Most important symptoms and effects, both acute and

delayed

None known.

Notes to physician

: Treat symptomatically.

### 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

High volume water jet

Specific hazards during

firefighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion

products

Carbon oxides

Sulphur oxides Formaldehyde

Oxides of phosphorus

Metal oxides

Specific extinguishing

methods

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.

Special protective equipment

for firefighters

: Wear self-contained breathing apparatus for firefighting if

necessary.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Avoid dust formation. Avoid breathing dust.

Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.



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If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for containment and cleaning up

: Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

Advice on protection against

fire and explosion

Avoid dust formation.

Provide appropriate exhaust ventilation at places where dust

is formed.

Advice on safe handling : Avoid formation of respirable particles.

Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Keep in properly labelled containers.

Materials to avoid : For incompatible materials please refer to Section 10 of this

SDS.

Further information on

storage stability

Stable under normal conditions.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : No data is available on the product itself.

Personal protective equipment

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

Hand protection

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.



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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.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : granules

Colour : red

Odour : odourless

Odour Threshold : No data is available on the product itself.

pH : 7 - 8 (20 °C)

Concentration: 20 g/l

Melting point :  $> 400 \, ^{\circ}\text{C}$ 

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

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.

Flammability (liquids) : No data is available on the product itself.

Burning rate : Product resists ignition and does not promote flame spread.

Self-ignition : 440 °C

Method: BAM

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 : 0.27 g/cm3

Bulk density



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Solubility(ies)

Water solubility : > 100 g/l (20 °C)

Solubility in other solvents : No data is available on the product itself.

Partition coefficient: n-

octanol/water

: log Pow: -5 (20 °C)

Method: Partition coefficient

Auto-ignition temperature : 297 °C

Method: Directive 67/548/EEC, Annex V, A.16

Decomposition temperature : > 300 °C

Self-Accelerating

decomposition temperature

(SADT)

No data is available on the product itself.

Viscosity : No data is available on the product itself.

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

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

Particle size : No data is available on the product itself.

### 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: Dust may form explosive mixture in air.

Conditions to avoid : None known.

Incompatible materials : None known.

Hazardous decomposition

products

: carbon dioxide carbon monoxide

Sulphur Oxides formaldehyde

Oxides of phosphorus

Metal oxides

# 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** 

Acute oral toxicity - Product : LD50(Rat): > 2,000 mg/kg

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral



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toxicity

Acute inhalation toxicity : No data available

Acute dermal toxicity -

Product

: LD50(Rat): > 2,000 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

Acute toxicity (other routes of : No data available

administration)

### Skin corrosion/irritation

#### Components:

2,7-Naphthalenedisulfonic acid, 3-amino-4-[[4-[[4-[[4-[[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6-

fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

Species: Rabbit

Assessment: No skin irritation Method: OECD Test Guideline 404

Result: No skin irritation

### Serious eye damage/eye irritation

# Components:

2,7-Naphthalenedisulfonic acid, 3-amino-4-[[4-[[4-[[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

Species: Rabbit

Assessment: Stains the eyes Method: OECD Test Guideline 405 Result: Irreversible effects on the eye

### Respiratory or skin sensitisation

# **Product:**

Exposure routes: Skin Species: Guinea pig

Method: OECD Test Guideline 406 Result: Does not cause skin sensitisation.

**Exposure routes: Respiratory Tract** 

Remarks: Cases of respiratory sensitization have been observed with reactive dyes.

Care should be taken to avoid inhalation

Should an individual become sensitized a physician should be consulted and all contact with

reactive dyes must cease immediately.

# Components:

2,7-Naphthalenedisulfonic acid, 3-amino-4-[[4-[[4-[[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

Assessment: Causes serious eye damage.



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Does not cause skin sensitisation.

# Germ cell mutagenicity

#### Components:

2,7-Naphthalenedisulfonic acid, 3-amino-4-[[4-[[4-[[4-[[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

Genotoxicity in vitro : Test Type: Ames test

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Test Type: Chromosome aberration test in vitro Metabolic activation: Metabolic activation Method: OECD Test Guideline 473

Result: positive

### Components:

2,7-Naphthalenedisulfonic acid, 3-amino-4-[[4-[[4-[[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6-

fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

Genotoxicity in vivo : Test Type: Micronucleus test

Species: Mouse

Method: OECD Test Guideline 474

Result: negative

### Components:

2,7-Naphthalenedisulfonic acid, 3-amino-4-[[4-[[4-[[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6-

fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

Germ cell mutagenicity - : Animal testing did not show any mutagenic effects.

Assessment

Germ cell mutagenicity -

Assessment

: No data available

### Carcinogenicity

No data available

Carcinogenicity -

: No data available

Assessment

### Reproductive toxicity

# **Components:**

fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

Effects on fertility : Species: Rat, male and female

Application Route: Oral

General Toxicity - Parent: No observed adverse effect level:

>= 1,000 mg/kg body weight

General Toxicity F1: No observed adverse effect level: >=



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1,000 mg/kg body weight

Method: OECD Test Guideline 421

# **Components:**

2,7-Naphthalenedisulfonic acid, 3-amino-4-[[4-[[4-[[4-[[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6-

fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

Effects on foetal : Species: Rat

development Dose: 0,100,300,1000 milligram per kilogram

General Toxicity Maternal: No observed adverse effect level:

>= 1,000 mg/kg body weight

Developmental Toxicity: No observed adverse effect level F1:

>= 1,000 mg/kg body weight

Method: OECD Test Guideline 421

Reproductive toxicity -

Assessment

: No data available

#### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

# Repeated dose toxicity

### **Product:**

Species: Rat NOEL: 200 mg/kg

Application Route: Ingestion Exposure time: 672 h Method: Subacute toxicity

### Components:

2,7-Naphthalenedisulfonic acid, 3-amino-4-[[4-[[4-[[2-[2-(ethenylsulfonyl)ethoxy]ethyl]amino]-6-

fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

Repeated dose toxicity - : Causes serious eye damage.

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

### **Aspiration toxicity**

No data available

### **Experience with human exposure**

General Information: No data available

Inhalation: No data available

Skin contact: No data available



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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

# 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

Toxicity to fish - Product : LC50: > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates -

Product

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

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants - Product

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

Exposure time: 72 h

Method: OECD Test Guideline 201

M-Factor (Acute aquatic

toxicity)

: No data available

Toxicity to fish (Chronic

toxicity)

: No data available

Toxicity to daphnia and other

aquatic invertebrates (Chronic toxicity)

: No data available

M-Factor (Chronic aquatic

toxicity)

: No data available

Toxicity to microorganisms - : IC50: > 1,000 mg/l

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Product Exposure time: 3 h

Method: OECD Test Guideline 209

Toxicity to soil dwelling

organisms

: No data available

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial

organisms

: No data available

**Ecotoxicology Assessment** 

**Components:** 

2-Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt:

Acute aquatic toxicity : Harmful to aquatic life.

Components:

2-Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt:

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

Toxicity Data on Soil : No data available

Other organisms relevant to

the environment

: No data available

Persistence and degradability

Biodegradability - Product : Biodegradation: 0 %

Exposure time: 28 d

Method: OECD Test Guideline 301A

Biodegradation: 2 % Exposure time: 28 d

Method: OECD Test Guideline 302B

Biochemical Oxygen

Demand (BOD) - Product

: 0 mgO2/g

Chemical Oxygen Demand

(COD) - Product

: 972 mgO2/g

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon

(DOC)

: No data available

Physico-chemical

removability

: No data available

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# **Components:**

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fluoro-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-, trisodium salt:

: Method: OECD Test Guideline 111 Stability in water

GLP: No information available.

Photodegradation : No data available

: No data available Impact on Sewage

**Treatment** 

Bioaccumulative potential

Bioaccumulation : No data available

: log Pow: -5 (20 °C) Partition coefficient: n-

octanol/water - Product Method: Partition coefficient

Mobility in soil

Mobility : No data available

Distribution among : No data available

environmental compartments

Stability in soil : No data available

Other adverse effects

Environmental fate and

pathways

: No data available

Results of PBT and vPvB

assessment

: No data available

Endocrine disrupting

potential

: No data available

Adsorbed organic bound

halogens (AOX) - Product

: < .1 % Test substance: Fluorine

Ozone-Depletion Potential No data available

Additional ecological

information - Product

: No data available

Global warming potential

: No data available

(GWP)

# 13. DISPOSAL CONSIDERATIONS

### Disposal methods



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Waste from residues : 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.

Dispose of as hazardous waste in compliance with local and

national regulations.

Dispose of contents/ container to an approved waste disposal

plant.

Contaminated packaging : Empty remaining contents.

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

### 14. TRANSPORT INFORMATION

# **International Regulations**

#### **IATA**

Not regulated as dangerous goods

### **IMDG**

Not regulated as dangerous goods

### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

### 15. REGULATORY INFORMATION

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

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

CH INV : The formulation contains substances listed on the Swiss

Inventory

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

Canadian NDSL.

AICS : Notified. Allowed to be imported / manufactured only by the

notifiers. Please contact your Huntsman sales representative

for more information.

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

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



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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), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

### **16. OTHER INFORMATION**

Date format : dd.mm.yyyy

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