

**NOVACRON® BLUE EC-R**

Version	Revision Date:	SDS Number:	Date of last issue: 15.08.2016
1.1	26.10.2017	400001000035	Date of first issue: 15.08.2016

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : NOVACRON® BLUE EC-R

**Manufacturer or supplier's details**

Company : Huntsman International (India) Pvt. Ltd.

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China: +86 20 39377888  
+86 532 83889090  
India: + 91 22 42 87 5333  
USA & Canada: 800 424 9300

**Recommended use of the chemical and restrictions on use**

Recommended use : Textile dyes, finishing and impregnating products; including bleaches and other processing aids

**2. HAZARDS IDENTIFICATION****GHS Classification**

Acute aquatic toxicity : Category 3

**GHS label elements**

Hazard pictograms : None

Signal word : None

Hazard statements : H402 Harmful to aquatic life.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
**Response:**  
Not available  
**Storage:**  
Store in accordance with all local, regional, national and

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international regulations.

**Disposal:**

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

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

None known.

**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	13 - 30

**4. FIRST AID MEASURES**

General advice : Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : None known.

**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

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|---|---|
| Specific hazards during firefighting          | : Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products                 | : No hazardous combustion products are known  |
| Specific extinguishing methods                | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>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 | : Avoid dust formation.  |
| Environmental precautions   | : Prevent product from entering drains.<br>If the product contaminates rivers and lakes or drains inform respective authorities.   |
| Methods and materials for containment and cleaning up               | : Pick up and arrange disposal without creating dust.<br>Sweep up and shovel.<br>Keep in suitable, closed containers for disposal. |

**7. HANDLING AND STORAGE**

- |   |  |
|---|--|
| Advice on protection against fire and explosion | : Provide appropriate exhaust ventilation at places where dust is formed.  |
| Advice on safe handling                         | : For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.   |
| Conditions for safe storage                     | : Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Electrical installations / working materials must comply with the technological safety standards. |
| Materials to avoid                              | : No materials to be especially mentioned.   |
| Further information on storage stability        | : No decomposition if stored and applied as directed.  |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

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

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : granules

Colour : blue

Odour : odourless

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

pH : 7 - 8  
Concentration: 20 g/l

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

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

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) : Not expected to form explosive dust-air mixtures.

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

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

Self-ignition : > 500 °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.

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Relative density	: No data is available on the product itself.
Density	: 0.51 g/cm <sup>3</sup>
Bulk density	: 1 g/cm <sup>3</sup>
Solubility(ies)	
Water solubility	: > 100 g/l (30 °C)
Solubility in other solvents	: No data is available on the product itself.
Partition coefficient: n-octanol/water	: log Pow: -7
Auto-ignition temperature	: No data is available on the product itself.
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.
Impact sensitivity	: Not impact sensitive.
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. Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	: None known.
Incompatible materials	: None known.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Acute oral toxicity - Product	: LD50(Rat): > 5,000 mg/kg
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Acute inhalation toxicity	: No data available
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Acute dermal toxicity : No data available

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

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**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

**STOT - single exposure**

No data available

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**STOT - repeated exposure**

No data available

**Repeated dose toxicity**

No data available

Repeated dose toxicity - : No data available  
Assessment**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****Product:**

Remarks: No data available

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxicity to fish : No data available

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**Components:**

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

Toxicity to daphnia and other aquatic invertebrates : EC50: 9.9 - 15 mg/l  
Exposure time: 48 hEC50 (Daphnia magna (Water flea)): 37 mg/l  
Exposure time: 48 hEC50 (Daphnia magna (Water flea)): 39 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : No data available

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

**Components:**

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

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



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Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

**Persistence and degradability**

Biodegradability - Product : Biodegradation: < 10 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301A

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

Chemical Oxygen Demand (COD) - Product : 900 mgO<sub>2</sub>/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

Stability in water : No data available

Photodegradation : No data available

Impact on Sewage Treatment : No data available

**Bioaccumulative potential**

Bioaccumulation : No data available

Partition coefficient: n-octanol/water - Product : log Pow: -7

**Mobility in soil**

Mobility : No data available

Distribution among environmental compartments : No data available

Stability in soil : No data available

**Other adverse effects**

Environmental fate and pathways : No data available

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Results of PBT and vPvB assessment	: No data available
Endocrine disrupting potential	: No data available
Adsorbed organic bound halogens (AOX) - Product	: 0 %
Ozone-Depletion Potential	No data available
Additional ecological information - Product	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.
Global warming potential (GWP)	: No data available

**13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues	: The product should not be allowed to enter drains, water courses or the soil.
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**14. TRANSPORT INFORMATION****International Regulations****IATA**

Not regulated as dangerous goods

**IMDG**

Not regulated as dangerous goods

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****Other international regulations****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.

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AICS	: On the inventory, or in compliance with the inventory
NZIoC	: HSNO approved
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	: 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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