

**NOVACRON® YELLOW EC-2R**

Version	Revision Date:	SDS Number:	Date of last issue: 12.08.2016
1.1	22.03.2019	400001006119	Date of first issue: 12.08.2016

Print Date 14.06.2019

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : NOVACRON® YELLOW EC-2R

**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

E-mail address : SDS@huntsman.com

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

Recommended use : Textile dye

Restrictions on use : For industrial use only.

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

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

Precautionary statements : **Prevention:**  
Avoid ingestion, inhalation, skin and eye contact. Handle in accordance with good industrial hygiene practice and any legal requirements.

**Response:**  
Not available

**Storage:**  
Store in accordance with all local, regional, national and international regulations.

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**Disposal:**

P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.

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

This product contains a reactive dye.

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	>= 10 - < 20

**4. FIRST AID MEASURES**General advice : 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 : 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.

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

Notes to physician : Treat symptomatically.

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**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          | : | No information available.                                                                                                    |
| Hazardous combustion products                 | : | Carbon oxides<br>Sulphur oxides<br>Hydrogen chloride                                                                         |
| Specific extinguishing methods                | : | No action shall be taken involving any personal risk or without suitable training.<br>Standard procedure for chemical fires. |
| 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.<br>Refer to protective measures listed in sections 7 and 8.                                                |
| Environmental precautions                                           | : | 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                     | : | No special storage conditions required.<br>Keep in properly labelled containers.                                     |
| Materials to avoid                              | : | For incompatible materials please refer to Section 10 of this SDS.                                                   |
| Further information on                          | : | Keep in a dry place.                                                                                                 |

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storage stability

**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 : Safety glasses with side-shields

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

Hygiene measures : General industrial hygiene practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : powder

Colour : orange

Odour : odourless

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

pH : 7 - 7.5 (20 °C)  
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) : No data is available on the product itself.

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

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Burning rate	: Product resists ignition and does not promote flame spread.
Self-ignition	: 590 °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	: 0.59 g/cm <sup>3</sup> Bulk density
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	: > 200 °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.
Dust explosion class	: St1
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	: No hazards to be specially mentioned.

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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  
hydrogen chloride  
Sodium oxides

**11. TOXICOLOGICAL INFORMATION****Acute toxicity****Components:**

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

Acute oral toxicity : LD50(Rat): 6,168 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : No data available

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: Respiratory Tract

Remarks: This product contains a reactive dye.

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.

Assessment: No data available

**Germ cell mutagenicity**

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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

**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

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

Toxicity to fish - Product : LC50: > 300 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
GLP: no

Toxicity to daphnia and other : EC50: 556 mg/l  
aquatic invertebrates -  
Product Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : NOEC: > 100 mg/l  
plants - Product Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic : No data available  
toxicity)

Toxicity to fish (Chronic : No data available  
toxicity)

Toxicity to daphnia and other : No data available  
aquatic invertebrates  
(Chronic toxicity)

M-Factor (Chronic aquatic : No data available  
toxicity)

Toxicity to microorganisms - : IC50: > 320 mg/l  
Product Exposure time: 3 h  
Method: OECD Test Guideline 209  
GLP: no



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Toxicity to soil dwelling organisms - Product : LC50: > 1000  
Exposure time: 336 h  
Method: OECD Test Guideline 207

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: 20 - 30 %  
Exposure time: 28 d  
Method: OECD Test Guideline 302B

Biochemical Oxygen Demand (BOD) - Product : 4 mgO<sub>2</sub>/g  
Incubation time: 5 d  
Method: Directive 67/548/EEC, Annex V, C.5

Chemical Oxygen Demand (COD) - Product : 895 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 : No data available

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Treatment

**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

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 : No data available

Global warming potential (GWP) : No data available

**13. DISPOSAL CONSIDERATIONS****Disposal methods**Waste from residues : Dispose of as hazardous waste in compliance with local and national regulations.  
Dispose of contents/ container to an approved waste disposal plant.**14. TRANSPORT INFORMATION**

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**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	: 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
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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