

NOVACRON® YELLOW S-3R

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	30.09.2016	400001013008	Date of first issue: 30.09.2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : NOVACRON® YELLOW S-3R

Manufacturer or supplier's details

Company : Huntsman International (India) Pvt. Ltd.
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India: + 91 22 42 87 5333
USA & Canada: 800 424 9300

2. HAZARDS IDENTIFICATION**GHS Classification**

Acute aquatic toxicity : Category 3

Chronic aquatic toxicity : Category 3

GHS label elements

Hazard pictograms : None

Signal word : None

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P273 Avoid release to the environment.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Substance / Mixture :
Chemical nature : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Sodium 7-[[2-[(aminocarbonyl)amino]-4-[[4-[[5-amino-4-sulfo-2-[[4-[[2-(sulfooxy)ethyl)sulfonyl]phenyl]azo]phenyl]amino]-6-chloro-1,3	171599-84-1	60 - 100

4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.

If inhaled : Move to fresh air.
Keep respiratory tract clear.
If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and water.
If symptoms persist, call a physician.

In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
If eye irritation persists, consult a specialist.

If swallowed : Rinse mouth with water.
Do not induce vomiting without medical advice.
If symptoms persist, call a physician.

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

Notes to physician : No information available.

5. FIREFIGHTING MEASURES

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.

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion : Carbon dioxide (CO₂)

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products	Carbon monoxide Halogenated compounds Nitrogen oxides (NOx) phosphorus 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.
Environmental precautions	: Prevent product from entering drains. 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. Sweep up and shovel. 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. 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. Electrical installations / working materials must comply with the technological safety standards.
Materials to avoid	: No materials to be especially mentioned.

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.
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Personal protective equipment

Respiratory protection	: No personal respiratory protective equipment normally required.
Hand protection	
Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	: Safety glasses
Skin and body protection	: Protective suit
Hygiene measures	: General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: granules
Colour	: red brown
Odour	: odourless
Odour Threshold	: No data is available on the product itself.
pH	: 6 - 6.5 (21 °C) Concentration: 20 g/l
Melting point	: > 400 °C Method: Melting / Freezing Temperature
Initial boiling point and boiling range	: No data available
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	: Will not burn Product resists ignition and does not promote flame spread.
Upper explosion limit	: No data is available on the product itself.
Lower explosion 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 : 0.646 g/cm³
Bulk density

Solubility(ies)
Water solubility : 100 g/l (30 °C)
Method: Water solubility

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

Partition coefficient: n-octanol/water : log Pow: < -2 (20 °C)
Method: Partition coefficient

Auto-ignition temperature : > 300 °C

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.

Oxidizing properties : None.

Molecular weight : No data available

10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : The product is chemically stable.

Possibility of hazardous reactions : Stable under normal conditions.

Conditions to avoid : None.

Incompatible materials : No data available

Hazardous decomposition products : No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Acute oral toxicity : No data available

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Acute toxicity (other routes of : No data available

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Skin corrosion/irritation**Components:**

Sodium 7-[[2-[(aminocarbonyl)amino]-4-[[4-[[5-amino-4-sulfo-2-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]phenyl]amino]-6-chloro-1,3:

Species: Rabbit

Assessment: No skin irritation

Method: OECD Test Guideline 404

Result: No skin irritation

Serious eye damage/eye irritation**Components:**

Sodium 7-[[2-[(aminocarbonyl)amino]-4-[[4-[[5-amino-4-sulfo-2-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]phenyl]amino]-6-chloro-1,3:

Species: Rabbit

Assessment: No eye irritation

Method: OECD Test Guideline 405

Result: No eye irritation

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**Components:**

Sodium 7-[[2-[(aminocarbonyl)amino]-4-[[4-[[5-amino-4-sulfo-2-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]phenyl]amino]-6-chloro-1,3:

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

Method: OECD Test Guideline 471

Result: negative

: Method: OECD Test Guideline 473

Result: positive

Components:

Sodium 7-[[2-[(aminocarbonyl)amino]-4-[[4-[[5-amino-4-sulfo-2-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]phenyl]amino]-6-chloro-1,3:

Genotoxicity in vivo : Method: OECD Test Guideline 474

Result: negative

Carcinogenicity

No data available

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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**Components:**

Sodium 7-[[2-[(aminocarbonyl)amino]-4-[[4-[[5-amino-4-sulfo-2-[[4-[[2-(sulfooxy)ethyl)sulfonyl]phenyl]azo]phenyl]amino]-6-chloro-1,3:

Species: Rat

NOEL: 200 mg/kg

Application Route: Ingestion

Exposure time: 672 h

Method: Subacute toxicity

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**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 - Product	: EC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): > 10 - < 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	: No data available

Components:

Sodium 7-[[2-[(aminocarbonyl)amino]-4-[[4-[[5-amino-4-sulfo-2-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]phenyl]amino]-6-chloro-1,3:]]]]

Toxicity to fish (Chronic toxicity) : GLP: yes

Components:

Sodium 7-[[2-[(aminocarbonyl)amino]-4-[[4-[[5-amino-4-sulfo-2-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]phenyl]amino]-6-chloro-1,3:]]]]

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50: 8.6 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

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

Toxicity to bacteria - Product : IC50: > 100 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
Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

Further information:
No data available

Persistence and degradability

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

Result: Not biodegradable
Biodegradation: 10 - 20 %
Exposure time: 28 d
Method: OECD Test Guideline 302B

Biochemical Oxygen Demand (BOD) - Product : 10 mgO₂/g
Incubation time: 5 d
Method: Directive 67/548/EEC, Annex V, C.5

Chemical Oxygen Demand (COD) - Product : 739 mgO₂/g

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon : No data available

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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: < -2 (20 °C)
Method: Partition coefficient**Mobility in soil**

Mobility : No data available

Distribution among
environmental compartments : No data available

Stability in soil : No data available

Other adverse effectsEnvironmental fate and
pathways : No data availableResults of PBT and vPvB
assessment : No data availableEndocrine disrupting
potential : No data availableAdsorbed organic bound
halogens (AOX) - Product : < .1 %
Test substance: Chlorine

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 with long lasting effects.Global warming potential
(GWP) : No data available

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13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.

14. TRANSPORT INFORMATION**International Regulation****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
TSCA	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
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

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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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