

NOVACRON® BRILLIANT RED FN-3GL

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	24.05.2016	400001005226	Date of first issue: 24.05.2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : NOVACRON® BRILLIANT RED FN-3GL

Manufacturer or supplier's details

Company : Huntsman International (India) Pvt. Ltd.
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2. HAZARDS IDENTIFICATION**GHS Classification**

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

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P362 + P364 Take off contaminated clothing and wash it before reuse.

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

Substance / Mixture : Mixture

Chemical nature : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
2-[[4-Chloro-6-[ethyl[3-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-5-hydroxy-1,7-naphthalenedisulfonic aci	869109-90-0	60 - 100
2-Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	36290-04-7	13 - 30

4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
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 skin contact : If on skin, rinse well with water.

In case of eye contact : Flush eyes with water as a precaution.
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 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.

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5. FIREFIGHTING MEASURES

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|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 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 data is available on the product itself. |
| Hazardous combustion products | : No hazardous combustion products are known |
| Specific extinguishing methods | : Standard procedure for chemical fires. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary. |

6. ACCIDENTAL RELEASE MEASURES

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|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : No action shall be taken involving any personal risk or without suitable training.
Use personal protective equipment.
Evacuate personnel to safe areas.
Avoid dust formation.
Avoid breathing dust.
Ensure adequate ventilation.
In case of inadequate ventilation wear respiratory protection. |
| 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. |
| 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 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 |

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application area.

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.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No hazardous decomposition products are known.

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 : P3 filter

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
Material : Neoprene gloves

Break through time : < 1 h

Remarks : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.
It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.
In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

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If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection:
Tightly fitting safety goggles
Eye wash bottle with pure water
Ensure that eyewash stations and safety showers are close to the workstation location.

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.
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hygiene measures : Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: powder
Colour	: dark red
Odour	: odourless
Odour Threshold	: No data is available on the product itself.
pH	: 6 - 8 (20 °C) Concentration: 20 g/l
Melting point	: > 400 °C Method: Melting / Freezing Temperature
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.
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.
Relative density	: No data is available on the product itself.
Density	: 1 g/cm3

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Solubility(ies)	
Water solubility	: > 100 g/l (20 °C) Method: Water solubility
Solubility in other solvents	: No data is available on the product itself.
Partition coefficient: n-octanol/water	: log Pow: -5.8 (25 °C) Method: Partition coefficient
Auto-ignition temperature	: > 280 °C Method: Directive 67/548/EEC, Annex V, A.16
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.

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. No decomposition if stored and applied as directed.
Conditions to avoid	: No data available
Hazardous decomposition products	: Carbon dioxide (CO ₂) Carbon monoxide Sulphur oxides 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
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Acute inhalation toxicity	: No data available
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Acute dermal toxicity - Product	: LD50(Rat): > 2,000 mg/kg Method: OECD Test Guideline 402
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Acute toxicity (other routes of administration)	: No data available
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Skin corrosion/irritation**Product:**

Remarks: May cause skin irritation and/or dermatitis. **Serious eye damage/eye irritation**

Product:

Remarks: Product dust may be irritating to eyes, skin and respiratory system.

Respiratory or skin sensitisation**Product:**

Exposure routes: Skin
Species: Mouse
Method: OECD Test Guideline 429
Result: Causes sensitisation.

Remarks: Causes sensitisation.

Assessment: No data available

Germ cell mutagenicity**Components:**

2-[[4-Chloro-6-[ethyl[3-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-5-hydroxy-1,7-naphthalenedisulfonic aci:

Genotoxicity in vitro	: Metabolic activation: Metabolic activation
	Method: OECD Test Guideline 473
	Result: positive
	GLP: yes
	: Metabolic activation: Metabolic activation
	Method: OECD Test Guideline 471
	Result: positive
	GLP: yes
	: Method: OECD Test Guideline 476
	Result: negative
	GLP: yes

Components:

2-[[4-Chloro-6-[ethyl[3-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-5-hydroxy-1,7-naphthalenedisulfonic aci:

Genotoxicity in vivo	: Method: OECD Test Guideline 474
	Result: negative
	GLP: yes

Carcinogenicity

No data available

Carcinogenicity - Assessment	: No data available
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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**Product:**

Species: Rat
NOEL: 1000 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

Ingestion: No data available

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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)): > 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 bacteria - Product | : IC50: > 1,000 mg/l
Exposure time: 3 h |
| Toxicity to soil dwelling organisms | : No data available |
| Plant toxicity | : No data available |
| Sediment toxicity | : No data available |

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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

Further information:
No data available

Persistence and degradability

Biodegradability - Product : Biodegradation: 5.5 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Biodegradation: 8 %
Exposure time: 28 d
Method: OECD Test Guideline 302B

Biochemical Oxygen Demand (BOD) - Product : 0 mgO₂/g

Chemical Oxygen Demand (COD) - Product : ca. 850 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

Stability in water : No data available

Photodegradation : No data available

Impact on Sewage Treatment : No data available

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Bioaccumulative potential

Bioaccumulation	: No data available
Partition coefficient: n-octanol/water - Product	: log Pow: -5.8 (25 °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 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: Chlorine
Ozone-Depletion Potential	No data available
Additional ecological information - Product	: No data available
Global warming potential (GWP)	: No data available

13. DISPOSAL CONSIDERATIONS**Disposal methods**

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.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

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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 TSCA Inventory
DSL	: Low volume exemption
AICS	: Not in compliance with the inventory
NZIoC	: On the inventory, or 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	: Low volume exemption

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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