

NOVACRON® LEMON S-3G

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12.08.2016	400001006884	Date of first issue: 12.08.2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : NOVACRON® LEMON S-3G

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 : pehs_te@huntsman.com
Emergency telephone number : Europe: +32 35751234
Americas: +1 703 527 3887
Africa: +32 35751234
Asia & Pacific: +65 6336 6011
China: +86 20 39377888
+86 532 83889090
India: + 91 22 42 87 5333
USA & Canada: 800 424 9300

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:**
P280 Wear protective gloves.
P261 Avoid breathing dust.
P272 Contaminated work clothing should not be allowed out of the workplace.
Response:
P302 IF ON SKIN:
P352 Wash with plenty of soap and water.
P362 Take off contaminated clothing and wash before reuse.

NOVACRON® LEMON S-3G

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12.08.2016	400001006884	Date of first issue: 12.08.2016

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

Storage:

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

Disposal:

ENVT12 Dispose of waste product or used containers according to local regulations.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
pentasodium triphosphate	7758-29-4	>= 1 - <= 3
disodium 2-[[5-carbamoyl-1-ethyl-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridyl]azo]-4-[[4-[(2-chloro-5-sulphonatophenyl)amino]-6-fl	75268-65-4	>= 30 - <= 60

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.

NOVACRON® LEMON S-3G

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12.08.2016	400001006884	Date of first issue: 12.08.2016

5. FIREFIGHTING MEASURES

- | | |
|---|---|
| Suitable extinguishing media | : No data is available on the product itself. |
| Unsuitable extinguishing media | : High volume water jet |
| Specific extinguishing methods | : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| 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. |
| Environmental precautions | : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so. |
| 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 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. |

NOVACRON® LEMON S-3G

Version 1.0	Revision Date: 12.08.2016	SDS Number: 400001006884	Date of last issue: - Date of first issue: 12.08.2016
----------------	------------------------------	-----------------------------	--

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

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

Personal protective equipment

Respiratory protection : P3 filter

Hand protection

Material : Neoprene gloves

Break through time : < 1 h

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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Colour : yellow

Odour : odourless

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

pH : 8 - 8.5
Concentration: 20 g/l

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.

NOVACRON® LEMON S-3G

Version 1.0	Revision Date: 12.08.2016	SDS Number: 400001006884	Date of last issue: - Date of first issue: 12.08.2016
----------------	------------------------------	-----------------------------	--

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	: 0.5 - 0.6 g/cm ³ Bulk density 1 g/cm ³
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	: No data is available on the product itself.
Auto-ignition temperature	: No data is available on the product itself.
Decomposition temperature	: > 250 °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 decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: None known. Stable under normal conditions.
	No decomposition if stored and applied as directed.
	Dust may form explosive mixture in air.
Conditions to avoid	: None. No data available
Hazardous decomposition products	: Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Acute oral toxicity - Product	: LD50(Rat): > 5,000 mg/kg
-------------------------------	----------------------------

NOVACRON® LEMON S-3G

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12.08.2016	400001006884	Date of first issue: 12.08.2016

Acute inhalation toxicity : No data available

Components:

pentasodium triphosphate:

Acute dermal toxicity : LD50(Rabbit): > 7,940 mg/kg

pentasodium triphosphate:

Acute dermal toxicity : LD50(Rabbit): > 7,940 mg/kg

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

Skin corrosion/irritation**Product:**

Species: Rabbit

Assessment: No skin irritation

Method: OECD Test Guideline 404

Result: No skin irritation

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

Product:

Species: Rabbit

Assessment: No eye irritation

Method: OECD Test Guideline 405

Result: No eye irritation

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

Respiratory or skin sensitisation**Product:**

Exposure routes: Skin

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Causes sensitisation.

Remarks: Causes sensitisation.

Assessment: No data available

Germ cell mutagenicity

Genotoxicity in vitro : No data available

Genotoxicity in vivo : No data available

NOVACRON® LEMON S-3G

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12.08.2016	400001006884	Date of first issue: 12.08.2016

Carcinogenicity

No data available

Carcinogenicity - : No data available
Assessment

Reproductive toxicity

Effects on fertility : No data available

Effects on foetal : No data available
development

Reproductive toxicity - : No data available
Assessment

STOT - single exposure

No data available

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

NOVACRON® LEMON S-3G

Version 1.0	Revision Date: 12.08.2016	SDS Number: 400001006884	Date of last issue: - Date of first issue: 12.08.2016
----------------	------------------------------	-----------------------------	--

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	: 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
Toxicity to bacteria - Product	: IC50: > 320 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

NOVACRON® LEMON S-3G

Version 1.0	Revision Date: 12.08.2016	SDS Number: 400001006884	Date of last issue: - Date of first issue: 12.08.2016
----------------	------------------------------	-----------------------------	--

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 302B

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

Chemical Oxygen Demand (COD) - Product : 508 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

Bioaccumulative potential

Bioaccumulation : No data available

Components:

pentasodium triphosphate:
Partition coefficient: n-octanol/water : log Pow: < 3 (20 °C)
Method: No information available.

NOVACRON® LEMON S-3G

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12.08.2016	400001006884	Date of first issue: 12.08.2016

disodium 2-[[5-carbamoyl-1-ethyl-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridyl]azo]-4-[[4-[(2-chloro-5-sulphonatophenyl)amino]-6-fl:

Partition coefficient: n-octanol/water : log Pow: < 3 (20 °C)
Method: No information available.

pentasodium triphosphate:

Partition coefficient: n-octanol/water : log Pow: < 3 (20 °C)
Method: No information available.

disodium 2-[[5-carbamoyl-1-ethyl-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridyl]azo]-4-[[4-[(2-chloro-5-sulphonatophenyl)amino]-6-fl:

Partition coefficient: n-octanol/water : log Pow: < 3 (20 °C)
Method: No information available.

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 : 2.5 %
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.

NOVACRON® LEMON S-3G

Version 1.0	Revision Date: 12.08.2016	SDS Number: 400001006884	Date of last issue: - Date of first issue: 12.08.2016
----------------	------------------------------	-----------------------------	--

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

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

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

NOVACRON® LEMON S-3G

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12.08.2016	400001006884	Date of first issue: 12.08.2016

16. OTHER INFORMATION

Date format : dd.mm.yyyy

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

The trademarks above are the property of Huntsman Corporation or an affiliate thereof.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED HUNTSMAN EMPLOYEE IS AUTHORIZED TO PROVIDE OR MAKE AVAILABLE DATA SHEETS FOR HUNTSMAN PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION THAT IS NO LONGER CURRENT OR ACCURATE.