

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Trade name: Neelicert FD & C Green 3****· CAS Number:**

2353-45-9

· EC number:

219-091-5

· Registration number 05-2114651866-36-0000 (Pre-Registration Number)**· 1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· Application of the substance / the preparation

cosmetic colorants

hair dyeing agents

· 1.3 Details of the supplier of the safety data sheet**· Manufacturer/Supplier:**

Neelikon Food Dyes & Chemicals Ltd.,

D-8, D-17 Everest, 5th Floor,

Pandit Madan Mohan Malviya Marg,

Tardeo, Mumbai – 400 034.

· Further information obtainable from:

Tel : 00 91 22 66661415(6 Hunting Lines)

Fax : 00 91 22 23523945 /66626916

Email ID: info@neelikon.com**· 1.4 Emergency telephone number:**

M/s Neelikon Food Dyes & Chemicals

Ltd., D-8, Everest, 5th Floor,

Pdt.M.M.Marg, Tardeo Circle, Mumbai 34, India.

Tel.: 00 91 22 66626 874, Mobile No. :00 91 9970004002

Kind. Attn.Mr.Rajeev Mathyal.

SECTION 2: Hazards identification**· 2.1 Classification of the substance or mixture****· Classification according to Regulation (EC) No 1272/2008**

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation. STOT SE

3 H335 May cause respiratory irritation.

· Information concerning particular hazards for human and environment: Not applicable.**· 2.2 Label elements****· Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**

GHS07

· **Signal word** Warning· **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients**· **3.1 Chemical characterization: Substances**· **CAS No. Description**

2353-45-9 dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)amino](4-hydroxy-2-sulphonatobenzhydrylidene)cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt

· **Identification number(s)**· **EC number:** 219-091-5· **Additional information:**Molecular Formula : C₃₇H₃₄N₂Na₂O₁₀S₃

Molecular Weight : 808,85 g/mol

· **SVHC** The substance is not in the list of SVHC substances**SECTION 4: First aid measures**· **4.1 Description of first aid measures**· **General information:**

Immediately remove any clothing soiled by the product.

Seek immediate medical advice.

· **After inhalation:**

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

· **After skin contact:** Wash off with soap and plenty of water. Consult a physician.· **After eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.· **After swallowing:**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Information for doctor:** Treat symptomatically and supportively.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.
- **6.4 Reference to other sections**
Refer to section 8 and 13 for additional information on personal protection equipment and disposal methods.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in tightly closed containers.
- **Information about storage in one common storage facility:**
Store away from water.
Store away from oxidizing agents.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from humidity and water.
- **7.3 Specific end use(s)**
cosmetic colorants
hair dyeing agents

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
- **Respiratory protection:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

- **Material of gloves**
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- (a) **Appearance:**

Form:	Powder
Colour:	Dark green powder or granules with a metallic luster
- (b) **Odour:** Characteristic
- **Change in condition**
- (c) **Melting point/Melting range:** 290 °C
- (d) **Boiling point/Boiling range:** Not applicable.
- (e) **Flash point:** Not applicable.
- (f) **Flammability (solid, gaseous):** Product is not flammable.

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(g) Ignition temperature:	Not available
(h) Decomposition temperature:	290 °C
(i) Self-igniting:	Product is not selfigniting.
(j) Danger of explosion:	Product does not present an explosion hazard.
(k) Explosion limits:	
Lower:	Not data available
Upper:	No data available
(l) Oxidizing properties	Not available.
(m) Vapour pressure at 25 °C:	1.7E-043 mmHg
(n) Density:	Not available
(o) Evaporation rate	Not data available
(p) Solubility in / Miscibility with water at 25 °C:	136 g/l
(r) Partition coefficient (n-octanol/water) at 25 °C:	-5.42 log POW
(s) Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials:
 - Avoid contact with strong oxidizing agents.
 - Avoid contact with water or moisture.
- 10.6 Hazardous decomposition products:
 - Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

(a) Acute toxicity:

· LD/LC50 values relevant for classification:

Oral	LD50	> 2000 mg/kg (rat)
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Primary irritant effect:

(b) on the skin: Irritant to skin and mucous membranes.

(c) on the eye: Irritating effect.

(d) Sensitization: No sensitizing effects known.

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

(e) Mutagenicity Studies:

(f) GENE-TOX Evaluation B (post-1980):

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Species/Cell Type: Mammalian polychromatic erythrocytes

Assay Type: Micronucleus test, chromosome aberrations

Assay Code: MNT+

Results: Positive

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:**

EC50 (96 hrs) 2800000 mg/l (Green Algae)

LC50 (48 hrs) 366000 mg/l (daphnia)

LC50 (96 hrs) 12400000 mg/kg (Fish)

· **12.2 Persistence and degradability** The substance is not readily biodegradable· **12.3 Bioaccumulative potential**

BCF : 3.2

The substance is non bioaccumulative

· **12.4 Mobility in soil**

The substance has strong adsorption to soil and negligible migration potential to ground water

· **Additional ecological information:**· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

· **12.5 Results of PBT and vPvB assessment TO BE PROVIDED IN THE REGISTRATION DOSSIER**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**· **14.1 UN-Number** Not Applicable· **14.2 UN proper shipping name** Not Applicable· **14.3 Transport hazard class(es)** Not Applicable· **14.4 Packing group** Not Applicable

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|--|-----------------|
| · 14.5 Environmental hazards: | No |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms Please refer section 2
- Hazard statements Please refer section 2
- Precautionary statements Please refer section 2
- National regulations:
- Other regulations, limitations and prohibitive regulations Not applicable
- Substances of very high concern (SVHC) according to REACH, Article 57
The substance is not listed as SVHC.
- 15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out and shall be performed at the time of REACH registration.
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS: Product safety department.
- Contact:
Tel : 022- 23525257, 23510572 66661415
Fax : 022 23523945 /66626916
Email ID: info@neelikon.com
- Abbreviations and acronyms:
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
- Sources
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
MSDS Sigma-Aldrich :
<http://www.sigmaaldrich.com/catalog/DisplayMSDSContent.do>
MSDS Alfa-Aesar :
<http://www.alfa.com/content/msds/english/A16520.pdf>
Gene - Tox:
<http://toxnet.nlm.nih.gov/cgi-bin/sis/search/f?./temp/~VVpnE5:1:FULL>
<http://www.thegoodscentscompany.com/data/rw1246791.html>
Data form HSDB
<http://toxnet.nlm.nih.gov/cgi-bin/sis/search/f?./temp/~8EOwy8:1>

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Data form PBT profiler

<http://www.pbtprofiler.net/ChemDetails.asp?I=0>

Data from SRC database

<http://www.syrres.com/what-we-do/databaseforms.aspx?id=386>

· *** Data compared to the previous version altered.**

Section 4: First-aid measures.

Section 5: Fire-fighting measures

Section 6: Accidental Release measures

Section 7: Handling and storage.

Section 8: Exposure Controls/Personal protection.

Section 9: Physical and Chemical properties.

Section 10: Stability and Reactivity.

Section 11: Toxicological Information.

Section 12: Ecological Information.

Section 13: Disposal consideration.

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