

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Trade name: Neelicert FD & C Yellow 6 Granular****· CAS Number:**

2783-94-0

· EC number:

220-491-7

· Registration number 05-2114650254-54-0000 (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

It is used in food, drugs and cosmetics, Pigment (printing inks); water soluble food colorant

Used in gelatin, frozen desserts, carbonated beverages, dry drink powders, confectionary products, bakery products, cereals, puddings, aqueous drug solutions, tablets, capsules, toothpaste and hair rinses.

· 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**

The substance is not classified according to the CLP regulation.

· Information concerning particular hazards for human and environment: Not applicable.**· 2.2 Label elements****· Labelling according to Regulation (EC) No 1272/2008 Void****· Hazard pictograms Void****· Signal word Void****· Hazard statements Void****· 2.3 Other hazards****· Results of PBT and vPvB assessment****· PBT: Not applicable.****· vPvB: Not applicable.****- 2.4 GHS Classification : Not Classified****SECTION 3: Composition/information on ingredients****· 3.1 Chemical characterization: Substances****· CAS No. Description**

2783-94-0 disodium 6-hydroxy-5-[(4-sulphonatophenyl)azo]naphthalene- 2-sulphonate

(Contd. on page 2)

IN

Trade name: Neelicert FD & C Yellow 6 Granular

(Contd. of page 1)

- **Identification number(s)**
- **EC number:** 220-491-7
- **Additional information:**
Molecular Formula: C₁₆H₁₀N₂Na₂O₇S₂
Molecular Weight: 452.36 g/mol

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use DRY chemical powder, water spray, fog or foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available
- **5.3 Advice for firefighters**
- **Protective equipment:**
Mouth respiratory protective device.
Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. 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:** Pick up mechanically.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest.
Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the

(Contd. on page 3)

Trade name: Neelicert FD & C Yellow 6 Granular

(Contd. of page 2)

container or the label.

· **Information about fire - and explosion protection:**

Protect from heat.

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 cool place.

· **Information about storage in one common storage facility:**

Keep container tightly closed in a dry and well-ventilated place.

· **Further information about storage conditions:**

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

· **7.3 Specific end use(s)**

It is use in food, drugs and cosmetics, Pigment (printing inks); water soluble food colorant

Used in gelatin, frozen desserts, carbonated beverages, dry drink powders, confectionary products, bakery products, cereals, puddings, aqueous drug solutions, tablets, capsules, toothpaste and hair rinses.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

· **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:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **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.

· **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:** Splash goggles

IN

(Contd. on page 4)

Trade name: Neelicert FD & C Yellow 6 Granular

(Contd. of page 3)

SECTION 9: Physical and chemical properties**· 9.1 Information on basic physical and chemical properties****· General Information**

(a) Appearance:	Granular
· Form:	Solid
· Colour:	Dark Maroon
(b) Odour:	characteristic of aromatic compounds
· Odour threshold:	Not available

(c) pH-value (10 g/l) at 20 °C: 7-8

· Change in condition

(d) Melting point/Melting range: 350 °C (Decomposes)

(e) Boiling point/Boiling range: 836.6 °C

(f) Flash point: Non flammable

(g) Flammability (solid, gaseous): Product is not flammable.
Ignites only when the flame of bunsen burner having temperature of 950 °C is brought in contact with it. Thus it can be concluded that the substance is flammable only at high temperature of about 950 °C.

(h) Ignition temperature: 950 °C

(i) Decomposition temperature: 350 °C

(j) Self-igniting: Not self igniting

(k) Danger of explosion: Product does not present an explosion hazard.

(l) Explosion limits:

Lower: Not applicable

Upper: Not applicable

(m) Oxidizing properties: 361.1 ml KMnO₄ Vol %

(n) Vapour pressure at 25 °C: 1.9E-020 Pa (Modified Grain Method.)

(o) Density at 26 °C: 0.617 g/cm³

(p) Relative density: Not available

(q) Vapour density: Not available

(r) Evaporation rate: Not available

(s) Solubility in / Miscibility with water at 20 °C: 80 g/l

(t) Partition coefficient (n-octanol/water) at 26 °C: -0.244 log POW (shake-flask method.)

(u) Viscosity:

Dynamic: Not applicable

Kinematic: Not applicable

· 9.2 Other information: solubility in ethanol 5000 mg/L at 26 °C

SECTION 10: Stability and reactivity

· 10.1 Reactivity Reacts with incompatible materials

· 10.2 Chemical stability No relevant information available

· Thermal decomposition / conditions to be avoided: Incompatible materials, excess heat.

(Contd. on page 5)

IN

Trade name: Neelicert FD & C Yellow 6 Granular

(Contd. of page 4)

- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No relevant information available
- **10.5 Incompatible materials:** No further relevant information available
- **10.6 Hazardous decomposition products:**
Hazardous decomposition products formed under fire conditions- carbon dioxide, carbon monoxide,
- **Additional information:** Not known

SECTION 11: Toxicological information

11.1 Information on toxicological effects

(a) Acute toxicity:

LD/LC50 values relevant for classification:

Oral	LD50	3800mg/kg (intraperitoneal) (rat)
		4600mg/kg (intraperitoneal) (mouse)
	LD50	>10000 mg/kg (rat)
		>6000mg/kg (mouse)

(b) Primary irritant effect:

· **on the skin:** Not irritating to rabbit skin.

(c) **on the eye:** minimally irritant to the rabbit eye

(d) **Sensitization:** not sensitising

(e) **Germ cell mutagenicity:** Not mutagenic

(f) **carcinogenicity:** No data available

(g) **Toxicity to reproduction:** NOAEL value= 1500 mg/kg bw/day

(h) **STOT-single exposure:** Data not available

(i) **STOT-repeated exposure:** Data not available

(j) **aspiration hazard:** Data not available

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

· **Repeated dose toxicity** Repeated dose toxicity oral-NOEL-500 mg/kg/day

SECTION 12: Ecological information

12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability** Not persistent and readily biodegradable in water, air and soil.

· **12.3 Bioaccumulative potential** not expected to bioaccumulate

· **12.4 Mobility in soil** Non mobile in soil.

Additional ecological information:

· **General notes:** Generally not hazardous for water

12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

IN

(Contd. on page 6)

Trade name: Neelicert FD & C Yellow 6 Granular

(Contd. of page 5)

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number | Not available |
| · 14.2 UN proper shipping name | Not available |
| · 14.3 Transport hazard class(es) | Not available |
| · 14.4 Packing group | Not available |
| · 14.5 Environmental hazards: | |
| · 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**
No data available
- **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out and will be applicable 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.

- **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**
 - MSDS of FD&C YELLOW 6
<http://www.buckeye-color.com/msds/msds109.pdf>
 - MSDS of Sciencelab.com, Inc.
<http://www.sciencelab.com/msds.php?msdsId=9924022>
 - MSDS from ChemCAS web page
http://www.chemcas.com/msds_archive/part2/cas/go_msds/bpilabs_com---fdc_yellow_6.asp
 - Data from chem. Blink web page
<http://www.chemblink.com/products/2783-94-0.htm>
 - Data from Toxnet web page

(Contd. on page 7)

Trade name: Neelicert FD & C Yellow 6 Granular

(Contd. of page 6)

<http://toxnet.nlm.nih.gov/cgi-bin/sis/search/f?./temp/~JQX2ux:1>

- Data from ACToR: Aggregated Computational Toxicology Resource

<http://actor.epa.gov/actor/GenericChemicalPdfServlet>

- Data from ChemIDPlus Lite

<http://chem.sis.nlm.nih.gov/chemidplus/ProxyServlet?objectHandle=Search&actionHandle=getAll3DMViewFiles&nextPage=jsp%2Fcommon%2FChemFull.jsp%3FcalledFrom%3Dlite&chemid=0002783940&formatType=3D>

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

•Section1: Identification of the substance /preparation & of the company/ undertaking.

•Section3: Composition /Information on Ingredients

•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.