

NEELIKON FOOD DYES & CHEMICALS LTD

SDS according to COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010

Printing date 07.08.2013

Revision: 01.07.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Trade name:** D & C Red 17 / Lavanya Congo
- **CAS Number:**
85-86-9
- **EC number:**
201-638-4
- **Registration number** 05-2117992949-12-0000 (Pre-reg No.)
- **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 a dye used for Sudan staining
- **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** Not applicable
- **Hazard pictograms** Not applicable
- **Signal word** Not applicable
- **Hazard statements** Not applicable
- **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**
85-86-9 1-(4-(phenylazo)phenylazo)-2-naphthol
- **Identification number(s)**
- **EC number:** 201-638-4

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- **Additional information:**
Molecular Formula: C₂₂H₁₆N₄O
Molecular Weight: 352.39 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**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **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.
- **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.
- **5.2 Special hazards arising from the substance or mixture** CO, CO₂, NO_x
- **5.3 Advice for firefighters**
- **Protective equipment:** Fire fighters should wear positive self contained breathing apparatus.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Remove persons from danger area.
- **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:**
Dispose of contaminated material as waste according to Section 13
- **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** Store in cool, dry place in tightly sealed containers.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Ensure good ventilation/exhaustion.
- **7.3 Specific end use(s)** It is a dye used for Sudan staining

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SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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:** Not required.
 - **Protection of hands:**
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.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - **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:** Safety glasses
 - **Body protection:** Use protective suit.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
 - **General Information**

(a) Appearance:	
Form:	Powder
Colour:	Reddish brown
(b) Odour:	Characteristic
(c) pH-value:	Not available
· Change in condition	
(d) Melting point/Melting range:	200 °C
(e) Boiling point/Boiling range:	584.596 °C (at 760 mmHg)
(f) Flash point:	398.136 °C
(g) Flammability (solid, gaseous):	Product is not flammable.
(h) Ignition temperature:	Not available
(i) Decomposition temperature:	No data available.
(j) Self-igniting:	Product is not self-igniting.
(k) Danger of explosion:	Product does not present an explosion hazard.
(l) Explosion limits:	
Lower:	Not available

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Upper:	Not available
(m) Oxidizing properties	Not available.
(n) Vapour pressure at 25 °C:	1.58E-011 mmHg
(o) Density at 25 °C:	1.221 g/cm ³
(p) Evaporation rate	Negligible.
(q) Solubility in / Miscibility with water at 25 °C:	0.053 mg/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:** Oxidizing agents
- **10.6 Hazardous decomposition products:** CO, CO₂ and oxides of nitrogen

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

Oral	LD50	>16000 (rat)
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- **Primary irritant effect:**
- **on the skin:** slightly irritating
- **on the eye:** May cause eye irritation.
- **Sensitization:** No sensitizing effects known.
- **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.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Carcinogenicity Studies:

Species: MOUSE

Strain/Sex: SWISS-WEBSTER/MALE

Route: DERMAL

Dose: 0; 1% IN 0.1 ML 0.1% SODIUM LAURYL SULFATE 1/WK FOR 18 MO (STUDY DURATION: 18 MO)

Results: NEGATIVE

Mutagenicity Studies:

Test System: AMES SALMONELLA TYPHIMURIUM

Strain Indicator: TA98, TA100

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Metabolic Activation: With and Without RAT, LIVER, S-9, PCB

Method: STANDARD PLATE

Dose: 5-5000 UG(PURIFIED COMPOUND)/PLATE (TEST MATERIAL SOLVENT: DMSO)

Results : NEGATIVE

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** The substance is not readily biodegradable
- **12.3 Bioaccumulative potential**
BCF: 10
The substance is non bioaccumulative
- **12.4 Mobility in soil**
The substance has very strong adsorption to soil and negligible migration potential to ground water.
- **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** 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 Applicable
· 14.2 UN proper shipping name	Not Applicable
· 14.3 Transport hazard class(es)	Not Applicable
· 14.4 Packing group	Not Applicable
· 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.
· UN "Model Regulation":	-

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SECTION 15: Regulatory information· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**· **National regulations:**· **Other regulations, limitations and prohibitive regulations**· **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 available at the time of REACH registration.

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.

· **Contact:**

Neelikon Ltd

Tel: 022-23525257, 23510572 66661415

Fax: 23523945/66626916

Email ID: qaneelikon@neelikon.com

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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

ChemID plus

<http://chem.sis.nlm.nih.gov/chemidplus/ProxyServlet?objectHandle=Search&actionHandle=getAll3DViewFiles&nextPage=jsp/common/ChemFull.jsp%3FcalledFrom%3Dlite&chemid=0000085869&formatType=3D>

ACToR

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

Wikipedia

http://en.wikipedia.org/wiki/Sudan_III_INCHEM<http://www.inchem.org/documents/iarc/vol08/sudaniii.html>

MSDS from Merck

http://www.merck-chemicals.com/is-bin/INTERSHOP.enfinity/WFS/Merck-IN-Site/en_US/-/INR/ViewPDF-Print.pdf;sid=5z8IvUW-ikMJvQlxJ24d6u1-NDyNoo2qIBA2mup_wg_lTFWi5Ob1hWy5xssR-amZFrEYoUZnNDyNopa9YiDAqYKR?RenderPageType=ProductDetail&CatalogCategoryID=&ProductUUID=LZib.s1Ogl8AAAEYxNNrwKeq&PortalCatalogUUID=Tb6b.s1OTzIAAAEXeDMdBYP2

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*MSDS of Fischer scientific**<http://www.fishersci.in/msds/SudanIII.pdf>**Data from Chemspider**<http://www.chemspider.com/Chemical-Structure.16736189.html?rid=e54558f1-cceb-4043-87fd-32ed1abfb156>**Data form PBT profiler**<http://www.pbtprofiler.net/ChemDetails.asp?I=0>**SCIENTIFIC COMMITTEE ON CONSUMER PRODUCTS SCCP Opinion on the use of CI 26100 (CI Solvent Red 23) as a colorant in cosmetic products**http://ec.europa.eu/health/ph_risk/committees/04_sccp/docs/sccp_o_013.pdf**· * **Data compared to the previous version altered.****Section 2: Hazard Identification – Changes in classification and Labelling**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 Considerations**Section 16: Other Information*

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