

## Safety data sheet

## COMMISSION REGULATION (EU) No 2015/830 of 1 June 2015 amending Annex II of Regulation (EU) No 453/2010

Issue date 29.04.2018

Date of Revision: 01.09.2018

Due Date of Revision: 31.08.2020

**SECTION 1: Identification of the substance/mixture and of the company/Undertaking**

- **Trade name:** D & C Red 33/ Lavanya Hebe
- **CAS Number:**  
3567-66-6
- **EC number:**  
222-656-9
- **Registration number** 01-2120115901-66-0000.
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
 SU0 Other  
 SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)  
 SU21 Consumer uses: Private households (= general public = consumers)  
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category**  
 PC39 Cosmetics, personal care products  
 PC3 Air care products  
 PC8 Biocidal products (e.g. Disinfectants, pest control)  
 PC9a Coatings and paints, thinners, paint removers  
 PC9b Fillers, putties, plasters, modelling clay  
 PC9c Finger paints  
 PC12 Fertilizers  
 PC18 Ink and toners  
 PC21 Laboratory chemicals  
 PC27 Plant protection products  
 PC28 Perfumes, fragrances  
 PC31 Polishes and wax blends  
 PC35 Washing and cleaning products (including solvent based products)  
 PC19 Intermediate
- **Process category**  
 PROC1 Use in closed process, no likelihood of exposure  
 PROC2 Use in closed, continuous process with occasional controlled exposure  
 PROC3 Use in closed batch process (synthesis or formulation)  
 PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises  
 PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)  
 PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities  
 PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities  
 PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing)  
 PROC10 Roller application or brushing  
 PROC15 Use as laboratory reagent  
 PROC11 Non industrial spraying

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PROC13 Treatment of articles by dipping and pouring

PROC14 Production of preparations or articles by tableting, compression, extrusion, pelletisation

PROC19 Hand-mixing with intimate contact and only PPE available

· **Environmental release category**

ERC8a Wide dispersive indoor use of processing aids in open systems

ERC8c Wide dispersive indoor use resulting in inclusion into or onto a matrix

ERC8d Wide dispersive outdoor use of processing aids in open systems

ERC8e Wide dispersive outdoor use of reactive substances in open systems

ERC8f Wide dispersive outdoor use resulting in inclusion into or onto a matrix

ERC1 Manufacture of substances

ERC3 Formulation in materials

· **Application of the substance / the mixture Dye**· **1.3 Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:**

Neelikon Food Dyes &amp; Chemicals Ltd.,

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

Pandit Madan Mohan Malviya Marg, Tardeo, Mumbai – 400034.

· **Further information obtainable from:**

Tel: 00 91 22 66661415(6 Hunting Lines)

Fax: 00 91 22 23523945 /66626916

Email ID: [info@neelikon.com](mailto:info@neelikon.com)· **1.4 Emergency telephone number:**

M/s Neelikon Food Dyes &amp; 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.

· **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.**

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· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients**

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**  
3567-66-6 disodium 5-amino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate
- **Identification number(s)**
- **EC number:** 222-656-9
- **Additional information:**  
Molecular Formula: C<sub>16</sub>H<sub>13</sub>N<sub>3</sub>O<sub>7</sub>S<sub>2</sub>.2Na  
Molecular Weight: 469.42
- **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 adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.
- **After skin contact:**  
Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.
- **After eye contact:**  
Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.
- **After swallowing:** If a large amount is swallowed, get medical attention.
- **4.2 Most important symptoms and effects, both acute and delayed**  
May cause skin, eye and lung irritation.
- **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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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· **5.2 Special hazards arising from the substance or mixture**

These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>), sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>). Some metallic oxides.

· **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**

Ensure adequate ventilation

Keep unnecessary people away, isolate hazard area and deny entry.

· **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:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

· **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**

Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing If you feel unwell, seek medical attention and show the label when possible

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

Keep ignition sources away - Do not smoke.

Protect from heat.

· **7.2 Conditions for safe storage, including any incompatibilities**· **Storage:**· **Requirements to be met by storerooms and receptacles:**

Keep the containers tightly closed.

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

Keep separated from incompatible substances.

· **Further information about storage conditions:**

Keep in a cool, dry and well-ventilated place.

· **7.3 Specific end use(s)** Dye

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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:**  
A self-contained breathing apparatus should be used to avoid inhalation of the product.
- **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



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**
- **Appearance:** Solid
- **Form:** Red Powder
- **Colour:** Red
- **Odour:** Characteristic

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|                                                                                                            |                                                           |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| · <b>Odour threshold:</b>                                                                                  | No data available                                         |
| · <b>pH-value:</b>                                                                                         | No data available                                         |
| · <b>Change in condition</b><br><b>Melting point/Melting range:</b><br><b>Boiling point/Boiling range:</b> | 350 °C<br>Not applicable.                                 |
| · <b>Flash point:</b>                                                                                      | >250 °C                                                   |
| · <b>Flammability (solid, gaseous):</b>                                                                    | May be combustible at high temperature                    |
| · <b>Ignition temperature:</b>                                                                             | Not available                                             |
| · <b>Decomposition temperature:</b>                                                                        | Not determined.                                           |
| · <b>Self-igniting:</b>                                                                                    | Not available                                             |
| · <b>Danger of explosion:</b>                                                                              | Product does not present an explosion hazard.             |
| · <b>Vapour pressure at 25 °C:</b>                                                                         | 0.000000000001 mmHg                                       |
| · <b>Density at 20 °C:</b><br>· <b>Evaporation rate</b>                                                    | 0.45 – 0.65 gm/cc ( After Tapping )<br>Not data available |
| · <b>Solubility in / Miscibility with water at 20 °C:</b>                                                  | 50g/l                                                     |
| · <b>Partition coefficient (n-octanol/water) at 25 °C:</b>                                                 | -2.0 log POW                                              |
| · <b>Viscosity:</b><br><b>Dynamic:</b><br><b>Kinematic:</b>                                                | Not applicable.<br>Not applicable.                        |
| · <b>9.2 Other information</b>                                                                             | No further relevant information available.                |

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** No data available
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
Avoid heat, flames, sparks and other sources of ignition.
- **10.3 Possibility of hazardous reactions** No data available
- **10.4 Conditions to avoid** No data available
- **10.5 Incompatible materials:** Avoid contact with strong oxidizing agents.
- **10.6 Hazardous decomposition products:** oxides of carbon, nitrogen, sulfur

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**SECTION 11: Toxicological information**· **11.1 Information on toxicological effects**· **Acute toxicity** Based on available data, the classification criteria are not met.· **LD/LC50 values relevant for classification:**

|      |      |                             |
|------|------|-----------------------------|
| Oral | LD50 | > 3160 mg/kg bw (rat)       |
|      |      | >4000 mg/kg bw (Guinea pig) |

· **Primary irritant effect:**· **Skin corrosion/irritation** Not irritating· **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

· **Repeated dose toxicity**

Data not available

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

Mutagenicity Studies:

Test System: AMES SALMONELLA TYPHIMURIUM

Strain Indicator: TA100

Metabolic Activation: NONE Method: STANDARD PLATE

Dose: 50-300 UG/PLATE (TEST MATERIAL SOLVENT: WATER)

Results: NEGATIVE.

· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** Based on available data, the classification criteria are not met.· **STOT-single exposure** Based on available data, the classification criteria are not met.· **STOT-repeated exposure** Based on available data, the classification criteria are not met.· **Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information**· **12.1 Toxicity**· **Aquatic toxicity:**

|                |                           |
|----------------|---------------------------|
| EC50           | 454.21 mg/L (Algae)       |
| EC 50 (static) | >100 mg/L (Daphnia magna) |
| LC50 (static)  | >100 mg/l (Fish)          |

· **12.2 Persistence and degradability** The substance is non biodegradable.· **12.3 Bioaccumulative potential**

BCF : 3.2

The substance is non bioaccumulative in nature

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· **12.4 Mobility in soil**

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

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

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

· **12.5 Results of PBT and vPvB assessment**

· **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**

|                                                                                  |                 |
|----------------------------------------------------------------------------------|-----------------|
| · <b>14.1 UN-Number</b>                                                          | Not applicable  |
| · <b>14.2 UN proper shipping name</b>                                            | Not applicable  |
| · <b>14.3 Transport hazard class(es)</b>                                         | Not applicable  |
| · <b>14.4 Packing group</b>                                                      | Not applicable  |
| · <b>14.5 Environmental hazards:</b>                                             |                 |
| · <b>Marine pollutant:</b>                                                       | No              |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | 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** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

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· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment is not applicable.

**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:**

+91-02194 263527 (Direct Line)

+91-02194 263694 Ext-259

+91 9970004009

rrmore@neelikon.com

· **Abbreviations and acronyms:**

GHS: Globally Harmonised 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

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

· **Sources**

1. 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

2. Data from TOXNET:

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

3. ECOSAR

<http://www.pbtprofiler.net/ecosarres.asp?l=0&K=-2.0941>

3. PBT Profiler

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

4. MSDS Sciencelab :

<http://www.sciencelab.com/msds.php?msdsId=9923654>

5. Chemadvisor:

<http://www.chemadvisor.com/SymyxMSDS/ohsdoc.pl?OHSNUMBER=OHS06236&DOCTYPE=SUMMARY>

[http://msds.chem.ox.ac.uk/colour\\_index/C.l.acid\\_red\\_33.html](http://msds.chem.ox.ac.uk/colour_index/C.l.acid_red_33.html)· **\* Data compared to the previous version altered.**

- Section 1: Identification of the substance/mixture and of the company/undertaking
- Section 2: Hazard Identification
- Section 3: Composition/information on ingredients
- Section 4: First-aid measures.
- Section 5: Fire-fighting measures

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- 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
- Section 14: Transport information
- Section 15: Regulatory information
- Section 16: Other information

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| PREPARED BY | APPROVED BY  | ISSUED BY                 | STATUS |
|-------------|--------------|---------------------------|--------|
| Q.C. HEAD   | QA & QC HEAD | Management Representative |        |