

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:** Neelicert FD & C Red 40 Lake
- **CAS Number:**
68583-95-9
- **EC number:**
271-524-7
- **Registration number 01-2120759956-33-0000.**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
 - SU1 Agriculture, forestry, fishery
 - SU4 Manufacture of food products
 - SU5 Manufacture of textiles, leather, fur
 - SU6b Manufacture of pulp, paper and paper products
 - SU7 Printing and reproduction of recorded media
 - SU8 Manufacture of bulk, large scale chemicals (including petroleum products)
 - SU9 Manufacture of fine chemicals
 - SU11 Manufacture of rubber products
 - SU12 Manufacture of plastics products, including compounding and conversion
 - SU13 Manufacture of other non-metallic mineral products, e.g. plasters, cement
 - SU18 Manufacture of furniture
 - SU19 Building and construction work
 - SU24 Scientific research and development
- **Product category**
 - PC23 Leather tanning, dye, finishing, impregnation and care products
 - PC34 Textile dyes, finishing and impregnating products; including bleaches and other processing aids
 - PC 29: Pharmaceuticals
 - PC1 Adhesives, sealants
 - PC24 Lubricants, greases, release products
 - PC33 Semiconductors
 - PC13 Fuels
 - 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 Fertilisers
 - 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)
 - PC39 Cosmetics, personal care products
- **Process category**
 - PROC1 Use in closed process, no likelihood of exposure
 - PROC2 Use in closed, continuous process with occasional controlled exposure

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PROC3 Use in closed batch process (synthesis or formulation)

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)

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

PROC15 Use as laboratory reagent

PROC11 Non industrial spraying

PROC13 Treatment of articles by dipping and pouring

· **Environmental release category**

ERC10a Wide dispersive outdoor use of long-life articles and materials with low release

ERC11a Wide dispersive indoor use of long-life articles and materials with low release

ERC9a Wide dispersive indoor use of substances in closed systems

ERC9b Wide dispersive outdoor use of substances in closed systems

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

ERC7 Industrial use of substances in closed systems

ERC5 Industrial use resulting in inclusion into or onto a matrix

ERC2 Formulation of preparations

ERC3 Formulation in materials

· **Article category**

AC1 Vehicles

AC4 Stone, plaster, cement, glass and ceramic articles

AC5 Fabrics, textiles and apparel

AC6 Leather articles

AC8 Paper articles

AC10 Rubber articles

AC11 Wood articles

AC13 Plastic articles

· **Application of the substance / the mixture** Colour pigment· **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 – 400034.

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· **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, Everst, 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.· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients**· **3.1 Chemical characterisation: Substances**· **CAS No. Description**

68583-95-9 aluminium, 6-hydroxy-5-[(2-methoxy-5-methyl-4-sulfophenyl)azo]-2-naphthalenesulfonic acid complex

· **Identification number(s)**· **EC number:** 271-524-7· **Additional information:**Molecular Formula: C₁₈H₁₆AlN₂O₈S₂

Molecular weight : 479.43811 Da

· **SVHC** The substance is not in the list of SVHC substances

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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:***Remove to fresh air. If breathing is difficult, give oxygen and get immediate medical attention.*· **After skin contact:***Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.*· **After eye contact:***Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. Get immediate medical attention.*· **After swallowing:** *If symptoms persist consult doctor.*· **4.2 Most important symptoms and effects, both acute and delayed***THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY HAZARDOUS COMMUNICATION STANDARD. HOWEVER, AS WITH ALL CHEMICAL; HANDLE WITH CARE AVOID EYE & SKIN CONTACT, AVOID INHALATION OF DUSTS OR VAPORS. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINERS CLOSED.*· **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.*· **5.2 Special hazards arising from the substance or mixture***carbon monoxide (CO), carbon dioxide (CO₂), sulfur oxides (SO_x), other pyrolysis products typical of burning organic material.*· **5.3 Advice for firefighters**· **Protective equipment:***Wear self-contained breathing apparatus for firefighting 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*

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- **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:**
Sweep up, shovel up or vacuum up (consider explosion-proof machines designed to be grounded during storage and use).
Place spilled material in clean, dry, sealable, labeled container
- **6.4 Reference to other sections** No dangerous substances are released.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Avoid contact with skin, eyes and clothing.
Ensure good ventilation/exhaustion at the workplace.
- **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:**
Provide ventilation for receptacles.
Keep in tightly closed containers.
- **Information about storage in one common storage facility:**
Keep away from oxidizing agents i.e. nitrates, oxidizing acids, chlorine bleaches
- **Further information about storage conditions:**
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- **7.3 Specific end use(s)** Colour Pigment.

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:** Self-contained respiratory protective device.

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· **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.

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:** Wear appropriate protective clothing to prevent skin contact.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	Solid
Colour:	Fine Red Powder
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Ignition temperature:**

Decomposition temperature: 271-275.5 °C

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20 °C:** 0.2 – 0.5 gm/cc (After Tapping)

· **Solubility in / Miscibility with water at 28 °C:** Insoluble

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- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **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 i.e. nitrates, oxidizing acids, chlorine bleaches
- **10.6 Hazardous decomposition products:**
carbon monoxide (CO), carbon dioxide (CO₂), sulfur oxides (SO_x), other pyrolysis products typical of burning organic material.

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	>2000 mg/kg bw (rat)
Dermal	LD50	>2000 mg/kg bw (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** May cause mild skin irritation.
- **Serious eye damage/irritation** May cause mild eye irritation.
- **Respiratory or skin sensitisation**
Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **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(48h)	>100 mg/L (Daphnia magna)
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EC50(72h) 136.57 mg/L (Algae)

LC50 >100 mg/L (Fish)

- **12.2 Persistence and degradability** Not readily biodegradable
- **12.3 Bioaccumulative potential** The substance is non-bioaccumulative.
- **12.4 Mobility in soil** Not available
- **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**
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**
- **ADR, ADN, IMDG, IATA** Not applicable
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Not applicable
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Not applicable
- **14.4 Packing group**
- **ADR, IMDG, IATA** 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 Marpol and the IBC Code** Not applicable.

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· UN "Model Regulation": 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
- **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 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:**
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 Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (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 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

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LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative

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

•ACToR :

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

•pigment database:

<http://www.artiscreation.com/red.html>

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

•Section 2: Hazard Identification – Changes in classification and labeling.

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