

NEELIKON FOOD DYES & CHEMICALS LTD

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

Printing date 26.10.2013

amending Regulation (EC) No 1907/2006

Revision: 01.07.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Trade name: Neelicert FD & C Blue 2 Lake****· CAS Number:**

16521-38-3

· EC number:

240-589-3

· Registration number 05-2114656831-44-0000 (Pre-registration 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 Used in Flexographic and Lithographic inks.**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**

16521-38-3 Aluminium, 2-(1,3-dihydro-3-oxo-5-sulfo-2H-indol-2-ylidene)-2,3-dihydro-3-oxo-1H-indole-5-sulfonic acid complex

(Contd. on page 2)

IN

NEELIKON FOOD DYES & CHEMICALS LTD

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

Printing date 26.10.2013

amending Regulation (EC) No 1907/2006

Revision: 01.07.2015

Trade name: Neelicert FD & C Blue 2 Lake

(Contd. of page 1)

- **Identification number(s)**
- **EC number:** 240-589-3
- **Additional information:**
Molecular formula: C₁₆H₁₀AlN₂O₈S₂
Molecular weight: 449.370738 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:**
Remove to uncontaminated area, supply fresh air, if not breathing give artificial respiration. Get immediate medical attention.
- **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 swallowed do not induce vomiting never give anything by mouth to an unconscious person. Call a physician.
- **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.
- **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 firefighting if necessary.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections** No dangerous substances are released.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Prevent formation of dust.
Avoid contact with eyes and skin.
- **Information about fire - and explosion protection:** No special measures required.

(Contd. on page 3)

IN

NEELIKON FOOD DYES & CHEMICALS LTD

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

Printing date 26.10.2013

amending Regulation (EC) No 1907/2006

Revision: 01.07.2015

Trade name: Neelicert FD & C Blue 2 Lake

(Contd. of page 2)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool, dry, well-ventilated area away from incompatible substances.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** Used in Flexographic and Lithographic inks.

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:** Suitable respiratory protective device recommended.
- **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:** Safety glasses
- **Body protection:** Protective work clothing

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

- | | |
|-------------------|--------------------|
| a) Form: | Crystalline powder |
| b) Colour: | Indigo |
| c) Odour: | Characteristic |

· **Change in condition**d) **Melting point/Melting range:** Undetermined.e) **Boiling point/Boiling range:** Not applicable.f) **Flash point:** Not applicable.g) **Flammability (solid, gaseous):** Product is not flammable.

(Contd. on page 4)

IN

NEELIKON FOOD DYES & CHEMICALS LTD

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

Printing date 26.10.2013

amending Regulation (EC) No 1907/2006

Revision: 01.07.2015

Trade name: Neelicert FD & C Blue 2 Lake

(Contd. of page 3)

h) Self-igniting:	Product is not self-igniting.
i) Danger of explosion:	Product does not present an explosion hazard.
j) Density:	Not determined.
k) Solubility in / Miscibility with water:	Soluble.
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:** Avoid excessive heat and light.

- **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.

- **10.6 Hazardous decomposition products:** Toxic carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂).

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the skin:** May be harmful if absorbed through skin. May cause skin irritation

- **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)**

Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65

SECTION 12: Ecological information**12.1 Toxicity**

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

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **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.

IN

(Contd. on page 5)

NEELIKON FOOD DYES & CHEMICALS LTD

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

Printing date 26.10.2013

amending Regulation (EC) No 1907/2006

Revision: 01.07.2015

Trade name: Neelicert FD & C Blue 2 Lake

(Contd. of page 4)

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.
- **Uncleaned packaging:**
- **Recommendation:** Dispose of as unused product.

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 MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Not applicable |

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.

- **Department issuing MSDS:** Product safety department.

(Contd. on page 6)

NEELIKON FOOD DYES & CHEMICALS LTD

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

Printing date 26.10.2013

amending Regulation (EC) No 1907/2006

Revision: 01.07.2015

Trade name: Neelicert FD & C Blue 2 Lake

(Contd. of page 5)

• **Contact:**

Neelikon Ltd

Tel: 022- 23525257, 23510572 66661415

Fax: 23523945 /66626916

Email ID: info@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)

• **Sources**

Lookchem

<http://www.lookchem.com/cas-165/16521-38-3.html> Chemicalregisterhttp://www.chemicalregister.com/Pigment_Blue_63/Suppliers/pid112756.htm

Pubchem

<http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=5362521>

Chemnet

<http://www.chemnet.com/dict/dict--16521-38-3--kr.html>• *** Data compared to the previous version altered.**

•Section 1: Chemical Product and Company Identification

•Section 3: Composition and Information on Ingredients

•Section 4: First Aid Measures

•Section 5: Fire and Explosion Data

•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 Data

IN