

NEELIKON FOOD DYES & CHEMICALS LTD

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

amending Regulation (EC) No 1907/2006

Printing date 07.10.2013

Revision: 01.07.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Trade name: Neelilake Erythrosine Lake****• CAS Number:**

12227-78-0

• EC number:

235-440-4

• Registration number 05-2114652268-43-0000 (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

FOOD USES: Bakery Products: Icings, fillings, sugar decorations and oil based coatings. Confectionery: Candy and confectionery coatings and chewing gums. Dairy Products: Ice creams, yoghurts, and wax coatings for cheese. Dessert Products: Gelatins, puddings and beverage bases. Seasoning Products: Snack food coatings and mixes, spice mixes.

PHARMACEUTICAL USES: Coated and compressed tablets, gelatin (soft and hard) capsules.

NON FOOD USES: Personal Care: Lipsticks, blushers, creams, lotions, and cosmetic powders.

PACKAGING: Plastic films and wax coated packagings, Can linings. (Medium and high strength are recommended for these applications)

INKS: Flexographic and Lithographic. (High strength lakes are recommended for use in 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.**

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· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.1 Chemical characterization: Substances**

- **CAS No. Description**
12227-78-0 2-(3,6-dihydroxy-2,4,5,7-tetraiodoxanthen-9-yl)benzoic acid, aluminium salt
- **Identification number(s)**
- **EC number:** 235-440-4
- **Additional information:**
Molecular Formula: C₆₀H₁₈Al₂I₁₂O₁₅
Molecular Weight: 2555.5926
- **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:** Flush skin with water.
- **After eye contact:** Flush eyes with water for at least 15 min. See physician if irritation persists.
- **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** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid eye contact and excessive skin contact.
Use appropriate NIOSH/MSHA approved respirator. Wear chemical gloves goggles, and lab coat.
- **6.2 Environmental precautions:**
Prevent material from contaminating soil or entering sewerage and drainage systems.
- **6.3 Methods and material for containment and cleaning up:**
Carefully contain spilled material. Deposit spilled material in appropriate waste containers for disposal.
- **6.4 Reference to other sections**
Refer to section 8 and 13 for additional information on personal protection equipment and disposal methods.

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SECTION 7: Handling and storage• **7.1 Precautions for safe handling**

Use with adequate ventilation. Avoid contact with eyes. Wash thoroughly after handling and before mealtimes.

• **Information about fire - and explosion protection:** Follow normal measures for preventive fire protection.• **7.2 Conditions for safe storage, including any incompatibilities**• **Storage:**• **Requirements to be met by storerooms and receptacles:**

Provide adequate general mechanical exhaust to keep airborne levels low if user operations generate dust.

Recommended decontamination facilities: eye bath, washing facilities.

• **Information about storage in one common storage facility:** Store away from oxidizing materials.• **Further information about storage conditions:**

Store in a fresh and dry place. Store away from oxidizing agents. Storage temperatures of 5-40 °C. Store in tightly sealed containers.

• **7.3 Specific end use(s)**

FOOD USES: Bakery Products: Icings, fillings, sugar decorations and oil based coatings. Confectionery: Candy and confectionery coatings and chewing gums. Dairy Products: Ice creams, yoghurts, and wax coatings for cheese. Dessert Products: Gelatins, puddings and beverage bases. Seasoning Products: Snack food coatings and mixes, spice mixes.

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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:** Use NIOSH/MSHA approved air purifying respirator as needed to control exposure.• **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.

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· **Eye protection:** Safety glasses with side shields or goggles.**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

- | | |
|-------------------|---------------------|
| a) Form: | Fine powder. |
| b) Colour: | Red characteristic. |
| c) Odour: | Characteristic |

· **Change in condition****d) Melting point/Melting range:** Undetermined.**e) Boiling point/Boiling range:** 625.6 °C (at 760 mmHg)**f) Flash point:** 332.1 °C**g) Danger of explosion:** Product does not present an explosion hazard.**h) Vapour pressure at 25 °C:** 3.04E-16 mmHg**i) Density:** Not determined.**j) Solubility in / Miscibility with water:**

Insoluble.

· **9.2 Other information** Essentially insoluble in water, glycerin, propylenglycol, etanol and insoluble in vegetable oil.**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:** No further relevant information available.**10.6 Hazardous decomposition products:** Incomplete combustion can form CO, CO₂, and dense smoke.**SECTION 11: Toxicological information**· **11.1 Information on toxicological effects**· **Acute toxicity:**· **Primary irritant effect:**· **On the skin:** No irritant effect.· **On the eye:** No irritating effect.· **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.

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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.**SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**· **Recommendation**

Dispose of in accordance with all applicable federal, state, and local regulations.

Material may be sent to an approved landfill or licensed treatment, storage, and disposal facility.

· **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 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.

• **Department issuing MSDS:** Product safety department.• **Contact:**

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**

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

<http://ecb.jrc.ec.europa.eu/esis/>http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asphttp://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/advancedsearch/externalSearch.do?p_type=CASNO&p_value=12227-78-0<http://www.chemosol.com/lake.htm><http://www.amcointernacional.com/CASX0370.html?lang=en>• *** Data compared to the previous version altered.**

- Section 3 – 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 & Chemical Properties
- Section 10 – Stability and reactivity
- Section 11 - Toxicological Information

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- Section 12 - Ecological Information
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