

MADDER LAKE

Safety Data Sheet

According to Regulation (EC) No. 2015/830
Revision date: 12/04/2018

Version: 2.1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE & THE COMPANY

1.1. Product identifier

Product name : MADDER LAKE
EC No. : 200-782-5
CAS No : 72-48-0
C.I. Name: : Pigment Red 83

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/preparation : Colouring of coatings.

1.2.2. Uses advised against

Uses advised against : No additional information available

1.3. Details of the supplier of the safety data sheet

L. Cornelissen & Son
105, Great Russell Street
London
WC1B 3RY
Telephone: 020 7636 1045
Email: info@cornelissen.com

1.4. Emergency telephone number

Emergency number

SECTION 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

According to Regulation (EC) No. 1272/2008 [CLP], there is no labelling requirement for this product.

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION /INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------------------------------|--|---------|---|
| 9,10-Anthracenedione, 1,2-dihydroxy- | (CAS No) 72-48-0 (EC No.) 200-782-5 | 30 - 50 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |

For the full text of the H-Statements mentioned in this Section and REACH information, see Section 16.

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

First-aid measures after inhalation : Move to fresh air.

First-aid measures after skin contact : Wash affected skin with soap and plenty of water.

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- First-aid measures after eye contact : Rinse immediately with plenty of water for at least 10 minutes taking care to wash under the eyelids.
- First-aid measures after ingestion : If swallowed, rinse mouth. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

- Suitable extinguishing media : Foam, Dry Powder, Water Spray.
- Unsuitable extinguishing media : Carbon Dioxide.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : In combustion, emits toxic fumes of carbon dioxide, carbon monoxide and nitrogen oxides.
- Explosion hazard : Product is not explosive when subjected to the effect of heat.
- Reactivity : Product is chemically stable and generally compatible with other substances when stored and handled as prescribed.

5.3. Advice for firefighters

- Protection during firefighting : Full protective clothing. Wear a self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Avoid inhalation and ingestion. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

- Protective equipment : Full protective clothing. Wear a self-contained breathing apparatus.

6.2. Environmental precautions

Prevent contamination of soil, drains and surface waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Vacuum with high efficiency filter or use wet clean up technique to avoid dusting. Take up mechanically and collect in suitable container (adequately labelled) for disposal. Collect waste in suitable containers, which can be labelled and sealed. Do not wash indiscriminately down the drains. Wear self-contained breathing apparatus. Wear suitable protective equipment.

6.4. Reference to other sections

No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Additional hazards when processed : Processing machines must be fitted with local exhaust ventilation.
- Precautions for safe handling : Handle and open container with care. Avoid dust formation and ignition sources. Listed product is not sensitive to static discharge. There is potential for build up of static discharge in packaging during transit, handling and charging of pigment into vessels. Accordingly, appropriate safety procedures should be followed and grounding of equipment is recommended.
- Hygiene measures : Wash thoroughly after handling and before eating, drinking or smoking. Do not eat, drink or smoke at the workplace.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep containers tightly closed in a dry, cool and well ventilated place.
- Storage area : Keep away from heat and sources of ignition.

7.3. Specific end use(s)

Restricted to Professional Users

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

- Additional information : Dust (General, Inhalable): 10 mg/m³

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8.2. Exposure controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | : Exposure limit(s) should be monitored using suitable analytical equipments. |
| Hand protection | : Chemical resistant gloves (EN374). Suitable materials also prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time according to EN 374. |
| Eye protection | : Safety glasses with side-shields. |
| Skin and body protection | : Working clothes. Closed footwear. |
| Respiratory protection | : Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2 or NIOSH N95). |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | : Solid |
| Appearance | : Odourless Red Powder. |
| Colour | : Red. |
| Odour | : Odourless. |
| Odour threshold | : Not Applicable |
| pH | : 5.5 (2% Extract) |
| pH solution | : Not Applicable |
| Melting point | : Not Applicable |
| Solidification point | : Not Applicable |
| Boiling point | : Not Applicable |
| Flash point | : Not Applicable |
| Relative evaporation rate (butylacetate=1) | : Not Applicable |
| Relative evaporation rate (ether=1) | : Not Applicable |
| Flammability (solid, gas) | : Not Applicable |
| Explosive limits | : Not Applicable |
| Vapour pressure | : Not Applicable |
| Vapour pressure at 50°C | : Not Applicable |
| Relative vapour density at 20 °C | : Not Applicable |
| Relative density | : No data available |
| Specific Gravity: | : 1.7 |
| Relative gas density | : Not Applicable |
| Solubility | : Insoluble. Water: Slightly Soluble |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Self ignition temperature | : Not Applicable |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : Not Applicable |
| Viscosity, dynamic | : Not Applicable |
| Explosive properties | : Non Explosive. |
| Oxidising properties | : Not Applicable. |

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Product is chemically stable and generally compatible with other substances when stored and handled as prescribed.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Product is chemically stable and generally compatible with other substances.

10.4. Conditions to avoid

No additional information available

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10.5. Incompatible materials

Avoid contact with strong oxidizing agents.

10.6. Hazardous decomposition products

In combustion, emits toxic fumes of carbon dioxide, carbon monoxide and nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity : Not classified

| DCC MADDER LAKE CLDX (72-48-0) | |
|--------------------------------|-------------------------|
| LD50 oral rat | > 2000 mg/kg bodyweight |
| LD50 dermal rat | No data available |
| LC50 inhalation rat (mg/l) | No data available |

Skin corrosion/irritation : Not classified
(Rabbit / Non-Irritant (OECD 404))

Serious eye damage/irritation : Not classified
(Rabbit / Non-Irritant (OECD 405))

Respiratory or skin sensitisation : Not classified
(Essentially non-sensitizing.)

Germ cell mutagenicity : Not classified
Not Mutagenic

Carcinogenicity : Not classified
(No data available)

Reproductive toxicity : Not classified
(No data available)

Specific target organ toxicity (single exposure) : Not classified
(No data available)

Specific target organ toxicity (repeated exposure) : Not classified
(No data available)

Aspiration hazard : Not classified
(No data available)

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general : No data available.

12.2. Persistence and degradability

| MADDER LAKE (72-48-0) | |
|-------------------------------|--------------------|
| Persistence and degradability | No data available. |

12.3. Bioaccumulative potential

| MADDER LAKE (72-48-0) | |
|---------------------------|--------------------|
| Bioaccumulative potential | No data available. |

12.4. Mobility in soil

| MADDER LAKE (72-48-0) | |
|-----------------------|--|
| Mobility in soil | Non volatile, insoluble in water, floats on water. |
| Ecology - soil | No data available. |

12.5. Results of PBT and vPvB assessment

| MADDER LAKE 72-48-0) | |
|----------------------|--|
| No data available | |

12.6. Other adverse effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste) : Dispose of in accordance with national, state and local regulations.

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According to Regulation (EC) No. 2015/830

Additional information : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

SECTION 14: TRANSPORT INFORMATION

No dangerous good in sense of transport regulations

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Candidate List (Substance of Very High Concern) : Does not contain substances on Candidate List of REACH Regulation.

REACH ANNEX XIV : No ANNEX XIV Substance

Regional legislation : According to corresponding national regulations and available test data, there is no labelling requirement for this product. Toxicological data proves that this product is a non-irritant.

15.1.2. National regulations

Water hazard class (WGK) : 1 - slightly hazardous to water

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this product.

SECTION 16: OTHER INFORMATION

Other information : All components are REACH registered or exempt (Title II).

| | |
|---------------|---|
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

DCC pigment, pigment preparations and special dyes are technical grade products. Unless otherwise stated or agreed DCC products are recommended only for industrial use in applications involving coloration of inks, plastics and coatings. Other intended uses including their use in consumer products governed by specific legislation or standards should be referred to the manufacturer. The use of this product is not authorized for the direct coloration of food, the coloration of articles that come into contact with internal organs or body fluids, tattoo inks, nor for cosmetic use. The customer must perform its own tests to determine the suitability of the supplied product for the intended purpose. It is also the customer's responsibility to ensure that its intended uses shall be fully in compliance with all applicable laws and regulations in each relevant country or region. The data contained in the SDS apply only to DCC products sold under the stated trade names.