



Safety Data Sheet according to Regulation (EC) No 1907/2006

Page 1 of 10

SDS No. : 555000
V001.0

Revision: 25.05.2018
printing date: 30.01.2021
Replaces version from: -

Dylon Machine Dye Pod - Rosewood Red

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Dylon Machine Dye Pod - Rosewood Red

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

Intended use:
Fabric Dyes

1.3. Details of the supplier of the safety data sheet

Henkel Ltd.
Wood Lane End, Hemel Hempstead
HP2 4RQ Hertfordshire

consumer.response@henkel.com

1.4. Emergency telephone number

Henkel Hemel Hempstead: +44 1442 278000 / 0845 490 0176 (Monday to Friday from 9.00 to 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

Eye Irrit. 2
H319 Causes serious eye irritation.
Skin Sens. 1
H317 May cause an allergic skin reaction.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Signal word:

Warning

Hazard statement:

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
EUH208 Contains C.I. Reactive Orange 64; C.I. Reactive Yellow 27. May produce an allergic reaction.

Precautionary statement:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing dust.
P280 Wear protective gloves/eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Introduce fully emptied container into recycling / municipal waste stream.

Contains:
C.I. Reactive Red 159

2.3. Other hazards
None if used properly.

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Hazardous substances according to CLP (EC) No 1272/2008:

| Hazardous substances CAS-No. | EINECS | REACH-Reg No. | Content | Classification |
|---------------------------------------|-----------|------------------|---------------|---|
| Sodium carbonate 497-19-8 | 207-838-8 | 01-2119485498-19 | >= 40- < 60 % | Serious eye irritation 2 H319 |
| C.I. Reactive Red 159 83400-12-8 | 280-427-9 | | >= 1- < 5 % | Skin sensitizer 1B H317 |
| C.I. Reactive Yellow 27 75199-00-7 | 278-108-4 | | >= 0,1- < 1 % | Skin sensitizer 1B H317 |
| C.I. Reactive Orange 64 83763-57-9 | 280-744-2 | | >= 0,1- < 1 % | Skin sensitizer 1B H317 Respiratory sensitizer 1B H334 |

For full text of the H - Phrases indicated by codes only see Section 16 "Other information".

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air. In case of breathing difficulties seek immediate medical advice.

Skin contact:

Rinse under running water. Remove all contaminated clothing. Consult skin specialist if necessary.

Eye contact:

Rinse immediately under running water (for 10 minutes), thereafter seek immediate specialist medical advice.

Ingestion:

Do not induce vomiting, seek medical advice immediately.
Rinse mouth with water, (only if the person is conscious).

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

After inhalation: Irritation of the respiratory tract, coughing. Inhalation of larger amounts may cause laryngospasm with shortness of breath.

After skin contact: Moderate to strong irritation of the skin (redness, swelling, burning), severe burns also possible.

After eye contact: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes).

After Ingestion: Ingestion may cause pain, burning, swelling and redness in the mouth and throat. Nausea and vomiting may occur.

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

After inhalation: Inhalation may cause hyperacidity of the organism with following shortness of breath.

After skin contact: If irritation persists, seek medical advice.

After eye contact: No special action.

After ingestion: In case of coughing or shortness of breath immediately call the rescue services.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media:

Water spray jet (if possible, avoid full jet). Adapt the fire-fighting measures to the environmental conditions.

Commercially available extinguishers are suitable for fighting incipient fires. The product itself does not burn.

Extinguishing media which must not be used for safety reasons:

None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products can be formed by pyrolysis and/or carbon monoxide.

5.3. Advice for firefighters

Use personal protective equipment and self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Ensure adequate ventilation.

If large amounts are released contact the fire service.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove mechanically. Rinse away residue with plenty of water.

6.4. Reference to other sections

See advice in section 8

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

No special measures required if used properly.

Hygiene measures:

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water, skin care.

Protective equipment only required in case of industrial use or for large packs (not for household packs)

7.2. Conditions for safe storage, including any incompatibilities

Store dry at between +5 and +40°C.
Consider national regulations.

7.3. Specific end use(s)

Fabric Dyes

SECTION 8: Exposure controls/personal protection

Only relevant for professional/industrial use

8.1. Control parameters

Valid for
Great Britain

Contains no components with occupational exposure limit values.
Attention: general dust limit value 6 mg/m³ (fine dust concentration)

8.2. Exposure controls

Respiratory protection:
If dust is produced wear P2 mask.

Hand protection:

For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:
Wear tight fitting goggles.

Skin protection:
Protective clothing against chemicals. Observe manufacturer's instructions.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

The following data apply to the whole mixture.

| | |
|---|------------------------------------|
| a) Appearance | powder free-flowing red |
| b) Odor | characteristic |
| c) Odour threshold | No data available / Not applicable |
| d) pH (; Conc.: 10 g/l) | 11,47 |
| e) Melting point | No data available / Not applicable |
| f) Initial boiling point and boiling range | No data available / Not applicable |
| g) Flash point | Not applicable |
| h) Evaporation rate | No data available / Not applicable |
| i) Flammability (solid , gas) | No data available / Not applicable |
| j) Upper / lower flammability or explosive limits | No data available / Not applicable |
| k) Vapour pressure | No data available / Not applicable |
| l) Vapor density | No data available / Not applicable |
| m) Relative density | |
| Bulk density | 900,000 - 1.200,000 g/l |
| n) Solubility (ies) | soluble in water |
| o) Partition coefficient: n-octanol/water | No data available / Not applicable |
| p) Auto-ignition temperature | No data available / Not applicable |
| q) Decomposition temperature | No data available / Not applicable |

- | | |
|-------------------------|------------------------------------|
| r) Viscosity | No data available / Not applicable |
| s) Explosive properties | No data available / Not applicable |
| t) Oxidising properties | No data available / Not applicable |

9.2. Other information

Not applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

None if used for intended purpose.

10.2. Chemical stability

Stable under normal conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if used according to specifications.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

No decomposition if used according to specifications.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---------------------------------|---------------|-------------|---------|---------------|
| Sodium carbonate 497-19-8 | LD50 | 2.800 mg/kg | rat | not specified |

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---------------------------------|---------------|---------------|---------|---|
| Sodium carbonate 497-19-8 | LD50 | > 2.000 mg/kg | rabbit | EPA 16 CFR 1500.40 (Method of testing toxic substances) |

Acute inhalative toxicity:

No data available.

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---------------------------------|----------------|------------------|---------|--|
| Sodium carbonate 497-19-8 | not irritating | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---------------------------------|------------|------------------|---------|---------------|
| Sodium carbonate 497-19-8 | irritating | | rabbit | not specified |

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Test type | Species | Method |
|---------------------------------------|-------------|---------------------------------|------------|---|
| C.I. Reactive Yellow 27 75199-00-7 | sensitising | Guinea pig maximisation test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|---------------------------------|----------|--|--|---------|-----------|
| Sodium carbonate 497-19-8 | negative | bacterial reverse mutation assay (e.g Ames test) | with | | Ames Test |

Carcinogenicity

No data available.

Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure::

No data available.

Aspiration hazard:

No data available.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|------------------------------------|------------|------------|---------------|---|--|
| Sodium carbonate 497-19-8 | LC50 | 300 mg/l | 96 h | Lepomis macrochirus | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| C.I. Reactive Red 159 83400-12-8 | LC50 | > 100 mg/l | 48 h | Leuciscus idus | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| C.I. Reactive Yellow 27 75199-00-7 | LC50 | > 100 mg/l | 48 h | Leuciscus idus | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| C.I. Reactive Orange 64 83763-57-9 | LC50 | > 100 mg/l | 96 h | Brachydanio rerio (new name: Danio rerio) | OECD Guideline 203 (Fish, Acute Toxicity Test) |

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|------------------------------------|------------|----------------|---------------|------------------|--|
| Sodium carbonate 497-19-8 | EC50 | 200 - 227 mg/l | 48 h | Ceriodaphnia sp. | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| C.I. Reactive Yellow 27 75199-00-7 | EC50 | > 100 mg/l | 24 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

Chronic toxicity to aquatic invertebrates

No data available.

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|------------------------------|------------|----------|---------------|---------------|---|
| Sodium carbonate 497-19-8 | EC50 | 137 mg/l | 5 d | Nitzschia sp. | OECD Guideline 201 (Alga, Growth Inhibition Test) |

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|------------------------------------|------------|------------|---------------|--------------------|--|
| Sodium carbonate 497-19-8 | EC 50 | 300 mg/l | 30 min | | not specified |
| C.I. Reactive Red 159 83400-12-8 | EC0 | 1.000 mg/l | 16 h | Pseudomonas putida | DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test) |
| C.I. Reactive Yellow 27 75199-00-7 | EC0 | 1.000 mg/l | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| C.I. Reactive Orange 64 83763-57-9 | EC 50 | > 100 mg/l | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

12.2. Persistence and degradability

| Hazardous substances CAS-No. | Result | Test type | Degradability | Exposure time | Method |
|---------------------------------------|---------------------------------|-----------|---------------|------------------|---|
| C.I. Reactive Red 159 83400-12-8 | not inherently biodegradable | aerobic | < 10,000000 % | 28 day | OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test) |
| C.I. Reactive Orange 64 83763-57-9 | not inherently biodegradable | aerobic | < 10 % | 28 day | OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test) |

12.3. Bioaccumulative potential

Does not bioaccumulate.

No substance data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

| Hazardous substances CAS-No. | PBT / vPvB |
|---------------------------------|---|
| Sodium carbonate 497-19-8 | According to Annex XIII of regulation (EC) 1907/2006 a PBT and vPvB assessment shall not be conducted for inorganic substances. |

12.6. Other adverse effects

Other adverse effects of this product for the environment are not known to us.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Only completely empty containers are to be disposed of as recoverable materials.

SECTION 14: Transport information

- 14.1. UN number**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**
not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Declaration of ingredients according to Detergent Regulation 648/2004/EC**

The preparation does not contain any ingredients to be labelled according to this regulation.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This Safety Data Sheet contains changes from the previous version in Section(s):

1-16