

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

DYLON Fabric Dye Dark Green

01313-7009

**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.

Betchworth House; 57-65 Station Road

RH1 1DL Redhill

Phone: Tel: 01737 781 300

consumer.response@henkel.com

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 (CLP):**

Skin Sens. 1

H317 May cause an allergic skin reaction.

Eye Irrit. 2

H319 Causes serious eye irritation.

**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.

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**Precautionary statement:**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P280 Wear protective gloves/eye protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with national regulation.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

**Contains:**

C.I. Reactive Yellow 27,  
 C.I. Reactive Blue 225,  
 C.I. Reactive Blue 203,  
 C.I. Reactive Black 5

**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<br>CAS-No.       | EINECS    | REACH-Reg No.    | Content       | Classification  |
|---------------------------------------|-----------|------------------|---------------|---|
| Sodium carbonate<br>497-19-8          | 207-838-8 | 01-2119485498-19 | >= 70- < 90 % | Serious eye irritation 2<br>H319                                |
| C.I. Reactive Yellow 27<br>75199-00-7 | 278-108-4 |                  | >= 1- < 5 %   | Skin sensitizer 1B<br>H317                                      |
| C.I. Reactive Blue 225<br>108624-00-6 |           |                  | >= 1- < 5 %   | Skin sensitizer 1<br>H317                                       |
| C.I. Reactive Blue 203<br>84229-70-9  | 282-468-8 |                  | >= 0,1- < 1 % | Skin sensitizer 1B<br>H317<br>Respiratory sensitizer 1B<br>H334 |
| C.I. Reactive Black 5<br>17095-24-8   | 241-164-5 |                  | >= 0,1- < 1 % | Skin sensitizer 1<br>H317<br>Respiratory sensitizer 1<br>H334   |

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

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**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 advise.

**Skin contact:**

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

**Eye contact:**

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**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: No special action.

After eye contact: No special action.

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

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

**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

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### 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.

### 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:

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

### 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)

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**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/m<sup>3</sup> (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<br>free-flowing<br>dark green |
| b) Odor   | characteristic                       |
| c) Odour threshold                                    | No data available / Not applicable   |
| d) pH<br>(; Conc.: 10,0 % product<br>; Solvent: Water | 9 - 11                               |

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|   |                                    |
|---|------------------------------------|
| )   |                                    |
| 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 - 1.200 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.

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

| Hazardous substances<br>CAS-No.       | Value<br>type | Value         | Species | Method                                   |
|---------------------------------------|---------------|---------------|---------|--|
| Sodium carbonate<br>497-19-8          | LD50          | 2.800 mg/kg   | rat     | not specified                            |
| C.I. Reactive Yellow 27<br>75199-00-7 |               |               |         |  |
| C.I. Reactive Blue 225<br>108624-00-6 | LD50          | > 5.000 mg/kg | rat     | EU Method B.1 (Acute Toxicity<br>(Oral)) |
| C.I. Reactive Blue 203<br>84229-70-9  | LD50          | > 5.000 mg/kg | rat     | OECD 401                                 |
| C.I. Reactive Black 5<br>17095-24-8   | LD50          | > 5.000 mg/kg | rat     | OECD 401                                 |

**Acute dermal toxicity:**

| Hazardous substances<br>CAS-No.       | Value<br>type | Value         | Species | Method   |
|---------------------------------------|---------------|---------------|---------|--|
| Sodium carbonate<br>497-19-8          | LD50          | > 2.000 mg/kg | rabbit  | EPA 16 CFR 1500.40 (Method of<br>testing toxic substances) |
| C.I. Reactive Yellow 27<br>75199-00-7 |               |               |         |  |
| C.I. Reactive Blue 203<br>84229-70-9  | LD50          | > 2.000 mg/kg | rat     | OECD 402   |

**Acute inhalative toxicity:**

| Hazardous substances<br>CAS-No.       | Value<br>type | Value | Exposure<br>time | Species | Method |
|---------------------------------------|---------------|-------|------------------|---------|--------|
| C.I. Reactive Yellow 27<br>75199-00-7 |               |       |                  |         |        |

**Skin corrosion/irritation:**

| Hazardous substances<br>CAS-No. | Conclusion     | Exposure<br>time | Species | Method   |
|---------------------------------|----------------|------------------|---------|----------|
| Sodium carbonate                | not irritating | 4 h              | rabbit  | OECD 404 |

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|                                       |                |      |        |          |
|---------------------------------------|----------------|------|--------|----------|
| 497-19-8                              |                |      |        |          |
| C.I. Reactive Blue 225<br>108624-00-6 | not irritating | 4 h  | rabbit | OECD 404 |
| C.I. Reactive Blue 203<br>84229-70-9  | not irritating | 24 h | rabbit | OECD 404 |
| C.I. Reactive Black 5<br>17095-24-8   | not irritating | 4 h  | rabbit | OECD 404 |

**Serious eye damage/irritation:**

| Hazardous substances<br>CAS-No.       | Conclusion     | Exposure<br>time | Species | Method        |
|---------------------------------------|----------------|------------------|---------|---------------|
| Sodium carbonate<br>497-19-8          | irritating     |                  | rabbit  | not specified |
| C.I. Reactive Blue 225<br>108624-00-6 | not irritating |                  | rabbit  | OECD 405      |
| C.I. Reactive Blue 203<br>84229-70-9  | not irritating |                  | rabbit  | OECD 405      |
| C.I. Reactive Black 5<br>17095-24-8   | not irritating |                  | rabbit  | not specified |

**Respiratory or skin sensitization:**

| Hazardous substances<br>CAS-No.       | Conclusion      | Test type                          | Species    | Method        |
|---------------------------------------|-----------------|------------------------------------|------------|---------------|
| C.I. Reactive Yellow 27<br>75199-00-7 | sensitising     | Guinea pig<br>maximisation<br>test | guinea pig | OECD 406      |
| C.I. Reactive Blue 225<br>108624-00-6 | sensitising     | Guinea pig<br>maximisation<br>test | guinea pig | OECD 406      |
| C.I. Reactive Blue 203<br>84229-70-9  | not sensitising | Buehler<br>test                    | guinea pig | OECD 406      |
| C.I. Reactive Black 5<br>17095-24-8   | not sensitising | Guinea pig<br>maximisation<br>test | guinea pig | OECD 406      |
|                                       | ambiguous       | Respiratory<br>sensitisation       | guinea pig | not specified |

**Germ cell mutagenicity:**

| Hazardous substances<br>CAS-No.       | Result   | Type of study  | Metabolic<br>activation /<br>Exposure time | Species | Method    |
|---------------------------------------|----------|--|--|---------|-----------|
| Sodium carbonate<br>497-19-8          | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with                                       |         | Ames Test |
| C.I. Reactive Blue 225<br>108624-00-6 | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | Ames Test |
|                                       | negative | DNA damage and<br>repair assay,<br>unscheduled DNA     | with and without                           |         | OECD 482  |



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|                                      |          |  |                  |                     |          |
|--------------------------------------|----------|--|------------------|---------------------|----------|
|                                      |          | synthesis in mammalian cells in vitro            |                  |                     |          |
| C.I. Reactive Blue 203<br>84229-70-9 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without |                     | OECD 471 |
|                                      | negative | mammalian cell gene mutation assay               | with and without |                     | OECD 476 |
| C.I. Reactive Blue 203<br>84229-70-9 | negative | oral: gavage                                     |                  | mouse               | OECD 474 |
| C.I. Reactive Black 5<br>17095-24-8  | negative | bacterial reverse mutation assay (e.g Ames test) | with and without |                     | OECD 471 |
| C.I. Reactive Black 5<br>17095-24-8  | negative | oral: gavage                                     |                  | mouse               | OECD 474 |
|                                      | negative | oral: gavage                                     |                  | hamster,<br>Chinese | OECD 475 |

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**Repeated dose toxicity**

| Hazardous substances CAS-No.         | Result/Value      | Route of application | Exposure time / Frequency of treatment | Species | Method   |
|--------------------------------------|-------------------|----------------------|--|---------|----------|
| C.I. Reactive Blue 203<br>84229-70-9 | NOAEL=1.000 mg/kg | oral: gavage         | 28 ddaily                              | rat     | OECD 407 |
| C.I. Reactive Black 5<br>17095-24-8  | NOAEL=250 mg/kg   | oral: gavage         | 90 ddaily                              | rat     | OECD 408 |

**Reproductive toxicity:**

| Hazardous substances CAS-No.        | Result / Classification                         | Species                              | Exposure time | Species | Method   |
|-------------------------------------|---|--------------------------------------|---------------|---------|----------|
| C.I. Reactive Black 5<br>17095-24-8 | NOAEL P = 1.000 mg/kg<br>NOAEL F1 = 1.000 mg/kg | One generation study<br>oral: gavage | 10 w          | rat     | OECD 415 |

**SECTION 12: Ecological information****12.1. Toxicity****Toxicity (Fish):**

| Hazardous substances CAS-No.          | Value type | Value       | Exposure time | Species             | Method   |
|---------------------------------------|------------|-------------|---------------|---------------------|--|
| Sodium carbonate<br>497-19-8          | LC50       | 300 mg/l    | 96 h          | Lepomis macrochirus | OECD Guideline 203 (Fish, Acute Toxicity Test)                   |
| C.I. Reactive Yellow 27<br>75199-00-7 | LC50       | > 100 mg/l  | 48 h          | Leuciscus idus      | OECD Guideline 203 (Fish, Acute Toxicity Test)                   |
| C.I. Reactive Black 5<br>17095-24-8   | LC50       | > 100 mg/l  | 96 h          | Oryzias latipes     | OECD Guideline 203 (Fish, Acute Toxicity Test)                   |
|                                       | NOEC       | >= 100 mg/l | 14 d          | Oryzias latipes     | OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study) |

**Toxicity (Daphnia):**

| Hazardous substances CAS-No.          | Value type | Value          | Exposure time | Species          | Method   |
|---------------------------------------|------------|----------------|---------------|------------------|--|
| Sodium carbonate<br>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<br>75199-00-7 | EC50       | > 100 mg/l     | 24 h          | Daphnia magna    | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| C.I. Reactive Black 5<br>17095-24-8   | EC50       | 748 mg/l       | 48 h          | Daphnia magna    | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

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**Toxicity (Algae):**

| Hazardous substances<br>CAS-No.     | Value<br>type | Value     | Exposure<br>time | Species   | Method  |
|-------------------------------------|---------------|-----------|------------------|---|---|
| Sodium carbonate<br>497-19-8        | EC50          | 137 mg/l  | 5 d              | Nitzschia sp.   | OECD Guideline 201<br>(Alga, Growth Inhibition<br>Test) |
| C.I. Reactive Black 5<br>17095-24-8 | EC50          | 25,5 mg/l | 72 h             | Scenedesmus subspicatus (new<br>name: Desmodesmus<br>subspicatus) | OECD Guideline 201<br>(Alga, Growth Inhibition<br>Test) |
|                                     | EC10          | 5,1 mg/l  | 72 h             | Scenedesmus subspicatus (new<br>name: Desmodesmus<br>subspicatus) | OECD Guideline 201<br>(Alga, Growth Inhibition<br>Test) |

**12.2. Persistence and degradability**

| Hazardous substances<br>CAS-No.     | Result                          | Test type | Biodegradation | Method  |
|-------------------------------------|---------------------------------|-----------|----------------|---|
| C.I. Reactive Black 5<br>17095-24-8 | not inherently<br>biodegradable | aerobic   | 0 %            | OECD Guideline 302 B (Inherent<br>biodegradability: Zahn-<br>Wellens/EMPA Test) |

**12.3. Bioaccumulative potential**

Does not bioaccumulate.

**12.4. Mobility in soil**

| Hazardous substances<br>CAS-No.     | LogPow | Bioconcentration<br>factor (BCF) | Exposure<br>time | Species | Temperature | Method  |
|-------------------------------------|--------|----------------------------------|------------------|---------|-------------|---|
| C.I. Reactive Black 5<br>17095-24-8 | -4,34  |                                  |                  |         | 20 °C       | OECD Guideline 107<br>(Partition Coefficient<br>(n-octanol / water),<br>Shake Flask Method) |

**12.5. Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

**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.

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**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****15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

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**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

6/26/18