Thermoplastic Dye Sachet. Green

SAFETY DATA SHEET


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

1.1. Product identifier

Product Name: Thermoplastic Dye Sachet. Green
Product Inclusion: This document covers the Thermoplastic Dye Sachet. Green only.
Container Size: 180g

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

Identified Uses: Colorants (pigments and dyestuffs), inorganic
Uses advised against: No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier: Meon Ltd.
Railside
Northarbour Spur
Portsmouth
PO6 3TU
+44 (0) 23 9220 0606
+44 (0) 23 9220 0707
mail@meonuk.com

1.4. Emergency Telephone Number

Emergency telephone: +44 (0) 808 118 1922

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008
Not classified.
Classification according to Directive 67/548/EEC 1999/45/EEC
Not classified.

2.2. Label Elements

Hazard pictograms: Not applicable.
Signal word: No signal word.
Hazardous component(s) to be indicated on label:
H-statement(s): No known significant effects or critical hazards.
P-statement(s): No known significant effects or critical hazards.

2.3. Other hazards

Other hazards which do not result in classification
Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3: Composition/information on ingredients

SUBSTANCE [ ] MIXTURE [X]
Thermoplastic Dye Sachet. Green

Product definition (REACH)
Mono-constituent substance

Hazardous ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Cas-No:</th>
<th>EC No:</th>
<th>Reach No:</th>
<th>R-Phrases</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium (III) oxide</td>
<td>1308-38-39</td>
<td>215-160-9</td>
<td>01-2119433951-39</td>
<td>Not classified See section 16 for the full text of the R-phrases declared above.</td>
<td>&gt;99.6%</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

Show this safety data sheet to the doctor in attendance.

4.1. Description of first aid measures

General advice
In case of inhalation: Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

In case of skin contact: No special measures required.

In case of eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

In case of ingestion: No special measures required.

Self-protection of the first aider: None.

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

See section 11 for more detailed information on health effect and symptoms.

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

See section 11 for more detailed information on health effect and symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media In case of fire, use water spray (fog), foam, dry chemical or CO2.

Extinguishing media which must not be used for safety reasons None known.

5.2. Special hazards arising from the substance or mixture

Hazard from the substance or mixture No specific fire or explosion hazard.

Hazardous combustion products No specific data.

5.3. Advice for firefighters

Special precautions for firefighting Not applicable.

Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Avoid breathing dust. Provide adequate ventilation. Put on appropriate personal protective equipment (see Section 8). Hazard of slipping on split product.
6.2. Environmental precautions

Environmental precautions

Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewer, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Small spill
Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill
Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

6.4. Reference to other sections

See section 1 for emergency contact information.
See section 8 for information on appropriate personal protective equipment.
See section 13 for additional waste treatment information.

6.5. Additional information

No information.

SECTION 7: Handling and storage

7.1. Precautions on safe handling

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

No special measures required

7.3. Specific end uses

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EU OEL (Europe, 12/2009)

<table>
<thead>
<tr>
<th>Name</th>
<th>LTEL ppm</th>
<th>STEL ppm</th>
<th>STEL mg/m³</th>
<th>LTEL mg/m³</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium (III) oxide</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, work place atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

8.2. Exposure controls

Risk management measures

Technical measures

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Respiratory protection

Recommended: Dust-protection mask

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If operating conditions cause high dust concentrations to be produced, use dust goggles. Recommended safety glasses with side-shields.

Hand protection

Recommended: gloves

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before
Thermoplastic Dye Sachet. Green

reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of the environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and Chemical Properties**

9.1. Information on basic physical and chemical properties

- **Physical state:** Solid. [powders]
- **Colour:** Green
- **Odour:** Odourless
- **Ph:** 5 to 7 [Conc. (%w/w): 5%]
- **Boiling point:** 4000°C (1013 hPa)
- **Melting point:** 2435°C (4415°F)
- **Density:** 5,22 kg/L (20°C)
- **Solubility:** Insoluble in the following materials: cold water

9.2. Other information

No information.

**SECTION 10: Stability and reactivity**

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

No specific data.

10.5. Incompatible materials

No specific data.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information**

Toxicity values

<table>
<thead>
<tr>
<th>Hazardous ingredients</th>
<th>Oral LD50 (RAT)</th>
<th>Dermal LD50 (RAT)</th>
<th>Dermal LD50 (RBT)</th>
<th>Inhale LC50 (RAT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium (III) oxide</td>
<td>&gt;5000mg/kg</td>
<td></td>
<td></td>
<td>&gt;5,41mg/l/4h</td>
</tr>
<tr>
<td></td>
<td>Test: OECD 401</td>
<td></td>
<td></td>
<td>Test: OECD 403</td>
</tr>
<tr>
<td></td>
<td>Acute Oral Toxicity</td>
<td></td>
<td></td>
<td>Acute Inhalation Toxicity</td>
</tr>
</tbody>
</table>

11.1. Information on toxicological effects

**Potential acute health effects**

- **Eye contact**
  - Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.

<table>
<thead>
<tr>
<th>Irritation/corrosion</th>
<th>Skin:</th>
<th>Eyes:</th>
<th>Respiratory:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-irritating</td>
<td>Non-irritating</td>
<td>Non-irritating</td>
</tr>
</tbody>
</table>
Thermoplastic Dye Sachet. Green

Sensitization: Not sensitizing
Potential chronic health effects
Test: OECD 471 Bacterial Reverse Mutation Test
Experiment: In vitro Subject: Bacteria
Result: Negative
Chronic effects: Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>Test</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium (III) oxide</td>
<td>ISO 8192</td>
<td>Acute EC50 &gt;10000 mg/l</td>
<td>Bacteria-activated sludge</td>
<td>3h</td>
</tr>
<tr>
<td></td>
<td>ISO 7346-1</td>
<td>Acute LC50 &gt;10000mg/l freshwater</td>
<td>Fish –Danio rerio</td>
<td>96h</td>
</tr>
</tbody>
</table>

Conclusion/summary
Not available.

12.2. Persistence and degradability
Not available.

12.3. Bioaccumulative potential
Not available.

12.4. Mobility in soil
Not available.

12.5. Results of PBT and vPvB assessment
Not applicable.

12.6. Other adverse effects
No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product
Methods of disposal
Examine possibilities for re-utilisation. Product residues and uncleaned empty containers should be packaged, sealed, labelled and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard they may be caused by residues. For disposal within the EC, the appropriate code according to European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste List (EWL).

Hazardous waste
Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Packaging
Methods of disposal
The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions
This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>Transport class</th>
<th>Land transport ADR/RID</th>
<th>Marine transport IMDG</th>
<th>Air transport ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN-No</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.3 Transport hazard classes</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.2 Description of the goods</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
**Thermoplastic Dye Sachet. Green**

| 14.2 UN proper shipping name | - | - | - |
| Danger releasing substance   | - | - | - |
| Labels                       | - | - | - |
| Category                     | - | - | - |
| Factor                       | - | - | - |
| Classification Code          | - | - | - |
| Tunnel restriction code      | - | - | - |
| 14.5 Environmental hazards  | No. | No. | No. |
| EmS                          | - | - | - |

**14.6 Special precautions for user/additional information**


**Stowage category**

- Not available.

**Hazard notes:**

Not dangerous cargo.

Keep dry.

Keep separated from foodstuffs.

**SECTION 15: Regulatory information**

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

**EU Regulation (EC) No. 1907/2006 (REACH)**

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

**15.2 Chemical Safety Assessment**

Not applicable.

**SECTION 16: Other information**

**Relevant R-phrases and H-phrases**

- Notice to reader

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet and its Annex [if required according to Regulation (EC) 1907/2006 (REACH)] is to describe the products in terms of their safety requirements. The given details do not imply any guarantee concerning the composition, properties or performance.

**List of Wastes”Acronym & Abbreviation Key:**

BMGV Biological Monitoring Guidance Values are given in Table 2 of EH40/2005 Workplace exposure limits.

Sk Can be absorbed through the skin. Dermal absorption may lead to systemic toxicity.

CLP Classification, Labelling & Packaging Regulation

EC European Commission

EU European Union

US United States

CAS Chemical Abstract Service

EINECS European Inventory of Existing Chemical Substances

REACH Registration, Evaluation, Authorization of Chemicals Regulation

GHS Globally Harmonized System of Classification and Labeling of Chemicals

LTEL Long term exposure limit

STEL Short term exposure limit

OEL Occupational exposure limit

ppm Parts per million

mg/m3 Milligrams per cubic meter

TLV Threshold Limit Value

ACGIH American Conference of Governmental Industrial Hygienists

OSHA Occupational Safety & Health Administration

PEL Permissible Exposure Limits

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Revision date: 16 June 2015
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VOC Volatile organic compounds
g/l Grams per liter
mg/kg Milligrams per kilogram
N/A Not applicable
LD50 Lethal dose at 50%
LC50 Lethal concentration at 50%
EC50 Half maximal effective concentration
IC50 Half maximal inhibitory concentration
PBT Persistent bioaccumulative toxic chemical
vPvB Very persistent and very bioaccumulative
EEC European Economic Community
ADR International Transport of Dangerous Goods by Road
RID International Transport of Dangerous Goods by Rail
UN United Nations
IMDG International Maritime Dangerous Goods Code
IATA International Air Transport Association
MARPOL International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC International Bulk Container

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.